CONSTRUCTION NEWS

PERSONALS, ENGINEERING SOCIETIES, ENGINEERING SCHOOLS, READERS' WANTS, INDUSTRIAL NOTES, PUBLICATIONS.

Supplement to ENGINEERING NEWS. New York, December 15, 1904.

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PERSONAL.

Mr. M. B. Cutter has been appointed General Manager of the Lehigh Valley R. R. Co., with office at South Bethlehem, Pa., and 143 Liberty St., New York. The position of General Superintendent has been abolished.

Mr. Frank F. Rogers, at present Civil Engineer of the Port Huron Engine & Thresher Co., of Port Huron, Mich., will, after Jan. 1, resume his general engineering practice, making a specialty of road and municipal work.

George D. James has been appointed Civil Engineer to the Colorado State Board of Health, and will investigate all sanitary matters pertaining to that state. He will be located at 615 Mining Exchange Building, Denver, Colo.

Mr. B. J. Arnold, M. Am. Inst. El. Engrs., has been selected by the city and the elevated railway companies of Chicago to conduct an investigation as to means for reducing the noise caused by the operation of the elevated railways.

Mr. C. C. Lewis has resigned his position as Chief Engineer of the Schenectady Ry. Co., of Schenectady, N. Y., to accept the management of a branch of the J. G. White Co., of New York and London. Mr. Lewis will be connected with London office of the concern.

Mr. Cecil B. Smith, M. Can. Soc. C. E., who has been for the past 3½ years Resident Engineer in charge of construction of Canadian Niagara Power Company's 110,000-HP. plant at Niagara Falls, Ont., has resumed his practice as Consulting Engineer, and has opened offices at 36 Toronto St., Toronto, Canada.

The Council of the Edinburgh Royal Society has decided to award the Gunning Victoria Jubilee Prize for 1900-1904 to Professor Sir James Dewar for his researches on the liquefaction of gases, extending over the last quarter of a century, and on the chemical and physical properties of substances at low temperatures.

Mr. Wallace C. Johnson, M. Am. Soc. C. E., has been appointed by Governor Odell Engineer Member of the River Improvement Commission of New York State. This Commission, which was created at the last session of the Legislature, is to have control of the rivers and streams of the state, with a view to public health and safety.

Mr. Jas. A. Green has resigned his position as Assistant in Civil Engineering in the University of Nebraska to accept that of Assistant State Engineer of Nebraska, succeeding Mr. Ray D. Hubbard, whose appointment as Assistant Engineer in the Reclamation Branch of the U. S. Geological Survey was mentioned in these columns last week.

The Western Society of Engineers has awarded its Octave Chanute medals for the best papers presented during 1903 on civil, mechanical and electrical engineering as follows: To Prof. A. Marston for his paper on "Sewage Disposal in Iowa;" to Prof. Storm Bull for his paper on "The Use of Superheated Steam;" and to W. E. Gonzenbach for his paper on "The Third-Rail for High Speed Electric Traction."

Mr. W. J. Sando, M. Am. Soc. M. E., has been appointed Manager of the Pumping Machinery Department of the Allis-Chalmers Co., with headquarters at Milwaukee, Wis. Mr. Sando has filled many responsible places, both in private and public employ, his last public service being with the New York City Commission on Additional Water Supply, with which he served from May 1st, 1903, to Jan. 1st, 1904, as Engineer in Charge of the Pumping Department.

Mr. Frederick H. Lewis, M. Am. Soc. C. E., has resigned his position as Manager of the Virginia Portland Cement Co., at Fordwick, Va., after nearly six years' service with the company, first as its Consulting Engineer, in the building of its plant and the houses, store, town site, etc., which are features of most Southern manufacturing enterprises, and afterwards as Manager of its plant in operation. Mr. Lewis expects to spend several months in travel and recreation this winter, with headquarters at Staunton, Va.

OBITUARY.

J. V. Brown, President of the Williamsport Water Co., of Williamsport, Pa., died suddenly of heart disease Dec. 8 in that city.

Nicholas J. Farren, an architect, of New York city, died at his home in The Bronx, Dec. 10, from the effects of an apopletic stroke. Mr. Farren was the Superintending Architect of St. Patrick's Cathedral, New York.

Captain John Stewart, for 20 years Consul-General of Paraguay at Washington, D. C., died in that city Dec. 6. He was a native of Scotland, and had served with the British Royal Engineers before coming to Washington 40 years ago. He had been surveyor under the Superintendent of Public Buildings and Grounds for the past 30 years.

Ralph Aston, Rear Admiral of U. S. Navy, retired, died at his home in Brooklyn, N. Y., Dec. 12, of a complication of diseases. He was born at Middletown, Conn., on Jan. 31, 1841, and was appointed Third Assistant Engineer of the U. S. Navy in 1861, Second Assistant Engineer in 1863, First Assistant Engineer in the same year, Chief Engineer in July, 1888, Captain in 1899, and Rear Admiral in 1902, during which year he was retired on account of illness.

John H. Westerfield, an Assistant Engineer of the U. S. Army, died Dec. 11 at the home of his mother in New York City. Mr. Westerfield was born in New York in 1857, and while still a young man he went as an engineer to the Isthmus of Panama, where he was employed under Commander Lull of the U. S. Navy. During the Spanish-American War he commanded the Third Volunteer Regiment of Engineers. His last work was on the Kentucky River at Frankfort, Ky., where he contracted "swamp fever," which was the indirect cause of his death.

John McGee, formerly Chief Engineer of the Ferro Carril Central Entre Rios R. R., of the Argentine Republic, died at his home in Kingston, N. Y., Dec. 12. Mr. McGee was born at Black Lick, Pa., in 1839, and was graduated from Union College in the Class of '62. He was a member of the corps of engineers under Henry Meiggs, engaged during 1872-76 in building the Arroys Railroad in Peru, and later he was engaged in railroad construction in this country. For the past twenty years Mr. McGee had been employed in the Argentine Republic. His death was due to locomotor ataxia, brought on by exposure.

ENGINEERING SOCIETIES.

COMING MEETINGS.

NATIONAL MOSQUITO EXTERMINATION SOCIETY.
Dec. 15, 16, 1904. Annual meeting at New York, N. Y. Secy., H. C. Weeks, Bayside, L. I., New York.

AMERICAN INSTITUTE OF ARCHITECTS.
Dec. 15 to 17, 1904. Annual meeting at Washington, D. C. Secy., Glenn Brown, Washington, D. C.

ENGINEERING ASSOCIATION OF THE SOUTH.
Dec. 17, 1904. Annual meeting at Nashville, Tenn.

AMERICAN ECONOMIC ASSOCIATION.
Dec. 28 to 30, 1904. Annual meeting at Chicago, Ill. Secy., F. A. Fetter, Ithaca, N. Y.

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.
Dec. 27 to 31. Annual meeting at Philadelphia, Pa. Secy., L. O. Howard, Washington, D. C.

AMERICAN FOREST CONGRESS.
Jan. 2 to 6, 1905. At Washington, D. C., under the auspices of the American Forestry Association.

WESTERN SOCIETY OF ENGINEERS.
Jan. 3, 1905. Annual meeting at Chicago, Ill. Secy., J. H. Warder, Monadnock Block, Chicago, Ill.

MICHIGAN ENGINEERING SOCIETY.
Jan. 11 to 13, 1905. Annual meeting at Lansing, Mich. Secy., F. Hodgman, Climax, Mich.

WOOD PRESERVERS' ASSOCIATION.
Jan. 16 to 19, 1905. First annual meeting at New Orleans, La. Secy., C. W. Berry, Laramie, Wyo.

ILLINOIS SOCIETY OF ENGINEERS AND SURVEYORS.
Jan. 18 to 20, 1905. Annual meeting at Chicago, Ill. Secy., E. E. R. Gratman, 1636 Monadnock Block, Chicago, Ill.

CANADIAN SOCIETY OF CIVIL ENGINEERS.
Jan. 24 to 26, 1905. Annual meeting at Montreal, P. Q. Secy., Prof. C. H. McLeod, 877 Dorchester St., Montreal, P. Q.

NATIONAL BRICK MANUFACTURERS' ASSOCIATION
Jan. 30 to Feb. 11, 1905. Annual meeting at Birmingham, Ala.

AMERICAN RAILWAY ENGINEERING AND MAINTENANCE OF WAY ASSOCIATION.—The Board of Direction has constituted a new Standing Committee on Economics of Railway Location. The province of this committee is: The consideration of all questions connected with railway location, grades, lines and improvements of grades and line affecting the economic operation with relation to traffic, tonnage ratings, speed, density of traffic and financial considerations. Its special aim is to establish uniform methods and unit values for investigating and analyzing the relative advantages and costs of comparative routes or proposed grade reductions and line corrections.

The committee has issued a circular of enquiry in regard to improvements of the character above noted. The chairman of this committee is Mr. W. McNab, Assistant Engineer Grand Trunk Ry. system, Montreal, P. Q., Canada.

ENGINEERS' SOCIETY OF WESTERN NEW YORK.—At the annual meeting of the society, held at the society rooms, 533 Ellicott Square, Buffalo, N. Y., on Dec. 6, the following gentlemen were elected officers of the society for the coming year: President, Mr. George H. Norton; Vice-President, Mr. Horace P. Chamberlain; Director, Mr. A. T. Thorn; Secretary, Mr. H. B. Alverson; Treasurer, Mr. F. N. Speyer; Librarian, Mr. W. A. Haven.

ENGINEERS' CLUG OF PHILADELPHIA.—At the regular meeting of Dec. 17, 1904, the following papers will be presented: "Note on the Summation of Stresses in Certain Structures," by Mr. Carl Hering; "Notes on the Stresses in Wood-Stave Pipes," by Mr. S. G. Comfort; "Numerical Illustrations of Principles Involved in the Wood-Stave Pipe Problem," by Mr. W. L. Webb; "Engineering and other Features of the British Occupation of Philadelphia in 1777 and 1778 from the Journal of Captain John Montresor, Chief Engineer of America," by Mr. J. C. Trautwine, Jr.

WESTERN SOCIETY OF ENGINEERS.—At the meeting held at the Society's rooms, in Chicago, on Dec. 7, an interesting address on "Ballasted Bridge Floors" was presented by Mr. A. S. Robinson, M. Am. Soc. C. E., Bridge Engineer of the Atchison, Topeka & Santa Fe Ry. A number of systems of solid floor construction were shown, formed of rectangular and triangular troughs, steel I-beams, etc., some of which had concrete filling, while others had only the ballast. Plate deck floors were also mentioned, having the rails bolted directly to the deck. The system now being used on the Chicago track elevation work of the Atchison, Topeka & Santa Fe Ry. and Chicago & Alton Ry. consists of transverse I-beams with a deck of creosoted planking to carry the ballast. This leaves the floor open for inspection and painting without disturbing the floor or the ballast. Mr. Robinson believes that there is a great future for reinforced concrete in bridge floor construction, and believes also that it will not be long before the open floor construction will be the exception rather than the rule.

In the discussion Mr. W. H. Finley spoke of the trough floor construction used on the track elevation work of the Chicago & Northwestern Ry., and Mr. C. H. Cartlidge described a concrete slab floor construction used for some plate girder deck bridges on the Chicago, Burlington & Quincy Ry. Mr. E. H. Lee showed the floor system used on the track elevation work of the Chicago & Western Indiana Ry., where transverse I-beams carry a plank flooring covered with ballast; he also showed another construction having a flat concrete floor on top of the beams. In closing the discussion Mr. Robinson referred to the value of a ballasted floor in reducing the effect of impact upon the bridge; he also described the use of ballasted floors for trestles on his line, which protect the structures from fire and enable the track to be more easily kept in proper line, especially on curves.

The Octave Chanute medals for the best papers presented during 1903 on civil, mechanical and electrical engineering, have been awarded as follows: To Prof. A. Marston for his paper on "Sewage Disposal in Iowa;" to Prof. Storm Bull, for his paper on "The Use of Superheated Steam;" and to Mr. E. Gonzenbach for his paper on "The Third-Rail for High-Speed Electric Traction."

The annual meeting of the Society will be held in Chicago on Jan. 3.

ENGINEERING SCHOOLS.

UNIVERSITY OF CHICAGO.—According to advices from Chicago, John D. Rockefeller is to make a gift of between $2,000,000 and $3,000,000 to this university. It is understood that the money is to be used for the creation of a school of engineering.

RENSSELAER POLYTECHNIC INSTITUTE. — The Chemical Laboratory has been completely repaired after the late fire, and many improvements have been introduced. An addition to the Electrical Laboratory is now being made. A new main building is to be built, at a cost of $125,000. This will be used for recitation and lecture rooms only. It will be entirely fireproof. The sum of $100,000 was received in October for the endowment of the Chair of Geodesy and Railroad Engineering. The salaries of the heads of the departments of Chemistry, Stereotomy, Pure Mathematics and Electrical Engineering have been increased. The number of students is greatest in the history of the school.

CIVIL SERVICE EXAMINATIONS FOR TECHNICAL POSITIONS.

Announcement is made in these columns from time to time of civil service examinations for technical positions. In all cases where the examinations are held by the United State- Civil Service Commission, further information may be obtained by addressing the Secretary of that board at Washington, D. C.

ASSISTANT CIVIL ENGINEER, TRANSITMAN, ETC.—U. S. Civil Service Commission will hold an examination Jan. 18, at various places throughout the country, to secure eligibles to fill vacancies in the following positions on the Isthmus of Panama, under the Isthmian Canal Commission: Assistant Civil Engineer, $200, $225 and $250 per month; instrumentman, $175 per month; transitman, $150 per month; levelman, $100 to $125 per month; rodman, $75 to $83.33 per month; chainman, $60 per month; helper, $50 per month. Examinations are also to be held on Jan. 18 for timekeepers, clerks, bookkeepers, surgeons, physicians, pharmacists, hospital interne and trained nurses. Full information concerning the conditions of employment on the Isthmian Canal Commission were published in our issue of Dec. 8.

CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S.), and Bidding Sheets (B. S.), may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close.	Work.	Place.	On file.	See issue.
Dec.				
*15	Water-works	Santiago de Cuba	P. & S.	11-17
*15	Water supply	Cuba	P. & S.	11-17
17	Dredging	San Francisco, Cal.	S.	11-17
*20	Dam and lock	Boston, Mass.	P. & S.	11-17
27	Drafting materials	Wash., D. C.	P. & S.	11-24
*27	Barracks	Ft. Slocum, N. Y.	P. & S.	12- 8
*30	Dredging	Norfolk, Va.	S.	12-15
*31	Office building	Montrose, Colo.	P. & S.	12- 8
31	Traveling crane	Wash., D. C.	S.	12- 1

*Work advertised in Engineering News.

NOTE.—We are desirous of securing specifications and bidding sheets (and plans when not too bulky) of pending work for file in our New York office for the benefit of contractors or others who may be interested in the work. If more sets than one are sent us we shall be pleased to distribute these to contractors who ask for them. When the work is advertised in Engineering News a note that the plans are filed with us will be added to the advertisement without cost.

LIST OF CONTRACTS PENDING.

Bids close. Work. Place. See issue.

LIGHT, HEAT AND POWER PLANTS.

Dec. 20. Electric system, Ft. Leavenworth, Kan. Dec. 1
Dec. 20. Engines, etc., Cleveland, O. Dec. 1

BRIDGES.

Dec. 17. Bridges, Indianapolis, Ind. Dec. 15
Dec. 19. Bridge, repairing, St. Paul, Minn. Dec. 15
Dec. 19. Bridges, Bel Air, Md. Dec. 15
Dec. 20. Bridge, Ottawa, Ont. Dec. 15
Dec. 20. Bridges, Harrisburg, Pa. Dec. 8
Dec. 22. Bridge, anchorage, New York, N. Y. Dec. 8
Dec. 22. Bridge, New York, N. Y. Dec. 15
Dec. 28. Bridges, Hastings, Neb. Dec. 8
Dec. 29. Bridge steel, Latrobe, Pa. Dec. 1
Dec. 30. Bridges, Princeton, Ind. Dec. 15
Jan. 1. Bridge, steel, Houma, La. Dec. 8
Jan. 2. Bridge, steel, Tombstone, Ariz. Dec. 1
Jan. 5. Bridge, Redding, Cal. Dec. 1
Jan. 5. Bridges, Phoenix, Ariz. Dec. 1
Jan. 6. Bridge, steel, Castlewood, S. Dak. Dec. 15
Jan. 6. Bridge, steel, Dayton, O. Dec. 15
Advertised, Eng. News, Dec. 15 and 22.
Jan. 11. Bridge, steel, Billings, Mont. Dec. 1
Advertised, Eng. News, Dec. 1 to 29.
Jan. 13. Bridge, Lewiston, Idaho. Dec. 8

BUILDINGS.

Dec. 15. Exposition bldg. and plans, Dallas, Tex. Dec. 1
Dec. 15. Post office, Norristown, Pa. Nov. 3
Advertised, Eng. News, Nov. 3 and 10.
Dec. 15. Several buildings, Fort Townsend, Wash. Nov. 24
Dec. 16. Crib superstructure, Chicago, Ill. Nov. 24
Dec. 16. School, Chicago, Ill. Dec. 15
Dec. 17. Library, Denver, Colo. Nov. 3
Dec. 17. Court house, Camden, S. C. Nov. 24
Dec. 17. Boiler house, Denver, Colo. Dec. 8
Dec. 19. Heating, McKeesport, Pa. Dec. 1
Dec. 19. School work, New York, N. Y. Dec. 15
Dec. 20. Auditorium, St. Joseph, Mo. Dec. 15
Dec. 20. City hall, Palatka, Fla. Dec. 15
Dec. 20. Steam heating, Harrison, Ark. Nov. 17
Advertised, Eng. News, Nov. 17 and 24.
Dec. 21. Wagon shed, etc., Oswego, N. Y. Nov. 24
Advertised, Eng. News, Nov. 24 to Dec. 15.
Dec. 21. Post office, Gainesville, Fla. Nov. 24
Advertised, Eng. News, Nov. 24 to Dec. 1.
Dec. 21. Court house, Faulkton, S. Dak. Dec. 1
Dec. 22. Wiring, arch repairs, New York, N. Y. Dec. 15
Dec. 27. Wiring, Leadville, Colo. Dec. 15
Dec. 27. Barrack, Ft. Slocum, N. Y. Dec. 8
Advertised, Eng. News, Dec. 8 and Dec. 22.
Dec. 28. Post office, Selma, Ala. Dec. 1
Advertised, Eng. News, Dec. 1 and 8.
Dec. 28. Building foundations, etc., Wash., D. C. Dec. 15
Advertised, Eng. News, Dec. 15 and 22.
Dec. 29. Post office, Vincennes, Ind. Nov. 24
Dec. 29. Hotel, Victoria, B. C. Nov. 3
Dec. 30. Heating, Leadville, Colo. Dec. 8
Advertised, Eng. News, Dec. 8 and 15.
Dec. 31. Frame building, Montrose, Colo. Dec. 1
Advertised, Eng. News, Dec. 1 to 22.
Jan. 3. Court house, Wheeling, W. Va. Nov. 24
Jan. 3. Post office work, Kansas City, Kan. Dec. 8
Jan. 4. Post office, Dekalb, Ill. Dec. 8
Jan. 4. Dwelling, Baltimore, Md. Dec. 8
Advertised, Eng. News, Dec. 8.
Jan. 5. Post office, Ogden, Utah. Dec. 8
Jan. 5. Hospital, Lawrence, Kan. Dec. 15
Jan. 5. Steel beams, etc., Washington, D. C. Dec. 15
Advertised, Eng. News, Dec. 15 and 22.
Jan. 6. Painting post office, Springfield, Ill. Dec. 15
Advertised, Eng. News, Dec. 15 and 22.
Jan. 9. Post office, Henderson, Ky. Dec. 8
Jan. 10. Post office, Newcastle, Pa. Dec. 1
Advertised, Eng. News, Dec. 1 and 8.
Jan. 19. Post office, Fresno, Cal. Dec. 8
Jan. 25. Post office, Washington, Pa. Dec. 8
Jan. 31. Post office, Albert Lea, Minn. Dec. 8
Advertised, Eng. News, Dec. 8 and 15.

WATER SUPPLY AND IRRIGATION.

Dec. 15. Water supply, Cuba. Nov. 17
Advertised, Eng. News, Nov. 17 to Dec. 8.
Dec. 15. Irrigation ditches, etc., Hazen, Nev. Nov. 24
Advertised, Eng. News, Nov. 24 to Dec. 15.
Dec. 15. Water-works, Jefferson, Tex. Nov. 24
Advertised, Eng. News, Nov. 24.
Dec. 16. Water pipe, North Bay, Ont. Dec. 8
Dec. 17. Water-works, Marion, N. C. Nov. 24
Advertised, Eng. News, Nov. 10 and 17.
Dec. 19. Water-works, Holland, Minn. Nov. 10
Dec. 19. Pumping engine, etc., Canton, O. Nov. 24
Advertised, Eng. News, Nov. 24 and Dec. 1.
Dec. 19. Pumping engine, Montgomery, Ala. Dec. 1
Advertised, Eng. News, Dec. 1.
Dec. 20. Pipe, Toronto, Ont. Nov. 3
Advertised, Eng. News, Nov. 3 and 10.
Dec. 21. Pumps, boilers, engines, England. Nov. 17
Dec. 21. Water pipe, etc., New York, N. Y. Dec. 15
Dec. 26. Water-works, Osceola, Neb. Dec. 8
Dec. 28. Laying pipe, Aberdeen, Wash. Dec. 8
Dec. 30. Water pipe, Crandon, Wis. Dec. 15
Jan. 2. Water-works, Owensboro, Ky. Dec. 15
Jan. 3. Pumping, boilers, etc., Muscatine, Ia. Dec. 8
Advertised, Eng. News, Dec. 8 to Jan. 4.
Jan. 5. Water supply improvement, Wash., Ga. Dec. 15
Advertised, Eng. News, Dec. 15 and 22.
Jan. 9. Outlet tunnel, Casper, Wyo. Nov. 24
Advertised, Eng. News, Nov. 24 to Jan. 5.
Jan. 10. Pipe, etc., Washington, D. C. Dec. 1
Jan. 14. Pumping engine, Kansas City, Mo. Dec. 15
Advertised, Eng. News, Dec. 15 and 22.
Jan. 14. Water pipe, Savannah, Ga. Dec. 8
Jan. 14. Water pipe laying, Sandusky, O. Dec. 8
Jan. 16. Water pipe, North Bay, Ont. Dec. 8
Jan. 25. Water-works, Deadwood, S. Dak. Dec. 15
Advertised, Eng. News, Dec. 15.
Feb. 10. Water system, Bishop, Cal. Dec. 15
Advertised, Eng. News, Dec. 8 to 29.

SEWERAGE.

Dec. 15. Sewers, Jefferson City, Mo. Dec. 8
Dec. 15. Sewers, Pine Bluff, Ark. Nov. 24
Dec. 15. Sewer system, Texarkana, Ark. Dec. 15
Dec. 16. Sewer pipe, etc., Providence, R. I. Dec. 15
Dec. 16. Sewers, Lakewood, O. Dec. 8
Dec. 19. Sewer, Richmond, Ind. Dec. 8
Dec. 19. Drains, Pocahontas, Ia. Dec. 15
Dec. 19. Sewer, Los Angeles, Cal. Dec. 15
Dec. 20. Sewer system, West Orange, N. J. Nov. 24
Advertised, Eng. News, Nov. 24 to Dec. 15.
Dec. 22. Sewer, water mains, Edmonton, N. W. T. Dec. 15
Dec. 26. Sewers, Albany, Ga. Dec. 8
Jan. 31. Sewers, water pipe, etc., New Orleans, La. Nov. 24
Advertised, Eng. News, Nov. 24 to Jan. 19.
Dec. 31. Pipe sewers, North Braddock, Pa. Dec. 15
Jan. 2. Sewer system, New Albany, Ind. Dec. 15
Jan. 3. Sewer extension, Morris, Minn. Dec. 15
Jan. 4. Sewers, Mamoroneck, N. Y. Dec. 15
Advertised, Eng. News, Dec. 15 to 29.
Feb. 10. Sewer system, Bishop, Cal. Dec. 15
Advertised, Eng. News, Dec. 8 to 22.

STREETS AND ROADS.

Dec. 15. Road, Uniontown, Pa. Dec. 1
Dec. 16. Granite pavement, New York, N. Y. Dec. 8
Dec. 17. Sidewalks, etc., Seattle, Wash. Dec. 8
Dec. 17. Macadamizing, Norwood, O. Dec. 1
Dec. 19. Paving, vitrified brick, Webb City, Mo. Nov. 17
Dec. 19. Sidewalks, Montgomery, Ala. Dec. 8
Dec. 19. Sidewalks, etc., Blaine, Wash. Dec. 8
Dec. 19. Paving, Muskegon Heights, Mich. Dec. 15
Dec. 19. Paving, Burlington, Ia. Dec. 15
Dec. 20. Sidewalks, Nevada, Mo. Dec. 15
Dec. 20. Paving, asphalt, New York, N. Y. Dec. 15
Dec. 20. Paving, Xenia, O. Dec. 8
Dec. 23. Macadamizing, Collingswood, N. J. Dec. 8
Dec. 23. Grading, New York, N. Y. Dec. 15
Dec. 23. Paving, Toledo, O. Dec. 15
Dec. 28. Sidewalks etc., Brooklyn, N. Y. Dec. 15
Dec. 29. Roads, Winamac, Ind. Dec. 1
Jan. 13. Asphalt repair plant, Omaha, Neb. Dec. 15

MISCELLANEOUS CONTRACTS.

Dec. 15. Battleship, Washington, D. C. Sept. 29
Dec. 15. Canal improvement, Albany, N. Y. Nov. 24
Advertised, Eng. News, Nov. 24 to Dec. 22.
Dec. 15. Boiler house extension, etc., N. York, N.Y. Nov. 24
Dec. 15. Tunnel, Boston, Mass. Dec. 1
Advertised, Eng. News, Dec. 1 and 8.
Dec. 15. Dredging, Boston, Mass. Dec. 8
Dec. 16. Coaling wharf, Savannah, Ga. Nov. 24
Dec. 16. Window and door screens, Prescott, Ariz. Nov. 17
Advertised, Eng. News, Nov. 17 to Dec. 15.
Dec. 16. Wire screens, Washington, D. C. Nov. 24
Dec. 16. Pier work, New York, N. Y. Dec. 15
Dec. 17. Ditch, Goshen, Ind. Dec. 15
Dec. 17. Lumber, Washington, D. C. Nov. 24
Dec. 17. Dredging, breakwater, Rondeau, Ont. Dec. 8
Dec. 19. Breakwaters, dredging, Port Stanley, Ont. Dec. 8
Dec. 19. Dikes, Topeka, Kan. Dec. 15
Dec. 20. Naval supplies, Washington, D. C. Dec. 15
Dec. 20. Fire alarm telegraph, etc., N. York, N.Y. Dec. 15
Dec. 20. Naval supplies, Washington, D. C. Dec. 8
Dec. 20. Naval supplies, Washington, D. C. Dec. 8
Dec. 20. Naval supplies, Washington, D. C. Dec. 8
Dec. 20. Compressor, Washington, D. C. Nov. 17
Dec. 20. Dam and lock, Boston, Mass. Nov. 17
Advertised, Eng. News, Nov. 10 to Dec. 8.
Dec. 21. Box lockers, St. Paul, Minn. Dec. 1
Dec. 23. Fire hose, New York, N. Y. Dec. 15
Dec. 23. Coal unloading apparatus, Belgium. Oct. 20
Dec. 27. Cranes, etc., South Africa. Nov. 10
Dec. 27. Drafting materials, etc., Wash., D. C. Nov. 24
Dec. 28. Telephone material, Australia. Nov. 24
Dec. 28. Telegraph material, etc., Australia. Nov. 17
Dec. 28. Wagons, concrete mixer, etc., Bkln., N. Y. Dec. 15
Dec. 30. Rails, Norway. Dec. 15
Dec. 30. Dredging, Norfolk, Va. Dec. 8
Advertised, Eng. News, Dec. 8 and 15.
Dec. 30. Box lockers, Jeffersonville, Ind. Dec. 8
Dec. 31. Portland cement, Washington, D. C. Nov. 24
Dec. 31. Traveling crane, Washington, D. C. Dec. 1
Dec. 31. Drains, Clinton, Ill. Dec. 15
Jan. 1. Ditch, Fort Dodge, Ia. Dec. 15
Jan. 4. Barges and boats, St. Louis, Mo. Dec. 15
Advertised, Eng. News, Dec. 8 to Jan. 4.
Jan. 4. Mail conveying system, Chicago, Ill. Dec. 15
Advertised, Eng. News, Dec. 1 to 22.
Jan. 5. Garbage crematory, Ft. S. Houston, Tex. Dec. 8
Jan. 5. Fuel oil, etc., Phoenix, Ariz. Nov. 24
Advertised, Eng. News, Nov. 24 to Jan. 5.
Jan. 6. Garbage cans, shovels, etc., Wash., D. C. Dec. 15
Jan. 7. Timber, Washington, D. C. Dec. 15
Jan. 7. Drain, Sarina, Ont. Dec. 15
Jan. 14. Dike, Mare Island, Cal. Dec. 8
Jan. 16. Dynamite, explosives, Wash., D. C. Dec. 15
Advertised, Eng. News, Dec. 15 to Jan. 15.
Jan. 25. Dredging New Orleans, La. Nov. 24
Feb. 5. Dredging, Chicago, Ill. Dec. 15
Advertised, Eng. News, Dec. 15.
Feb. 8. Dam and bridges, Phoenix, Ariz. Dec. 1
Advertised, Eng. News, Dec. 1 to Feb. 8.
Mar. 31. Electric railway, China. Nov. 24
Advertised, Eng. News, Oct. 20 to Dec. 20.
Apr. 1. Dredging, Sweden. Nov. 24
No date. Quarry stripping, Ohio. Dec. 8
Advertised, Eng. News, Dec. 1.

RAILWAYS.

AUGUSTA & FLORIDA.—Grading is reported in progress on line that will be built by this recently incorporated company from Augusta to Midville, 60 miles. Connection will be made with the Central of Georgia at Midville. W. M. Blount, Union Springs, Ala., is Pres. and G. H. Burchell, Midville, Ga., Ch. Engr.

CENTRAL ONTARIO.—Surveys have been completed, it is said, for an extension of this road from its present terminus at Bancroft, Ont., northwest to Whitney, 40 miles. Connection will be made at the latter point with the Canada Atlantic. Grading probably will be begun on this extension early in the spring. J. D. Evans, Trenton, Ont., is Ch. Engr.; G. Collins, Trenton, is Receiver and Mgr.

DALLES-CELILO PORTAGE RY.—The A. J. McCabe Contracting Co., of Tacoma and Walla Walla, Wash., has been awarded the contract for building this road around the falls of the Columbia River from Celilo to The Dalles, Ore., a distance of about 8¾ miles; 56-lb. rails will be used. In contract sidetracks are specified at certain places and docks are to be constructed at each end of the road. The contract requires the construction of water tanks, mess-houses and the furnishing of hand cars, and specifies tools that are to be furnished for the use of section men in keeping the road in repair. Contract price is said to be $151,000. A. J. McMillan, State Engineer, is engineer for the Portage Railway Commission. In 1905 the General Assembly of Oregon appropriated $125,000 for the construction of the Portage road, but owing to the difficulty of securing right of way from the Oregon Railway & Navigation Co. the work has not been undertaken. The O. R. & N. Co. has finally granted the state use of its right of way for a distance of one mile, and the right of way for the rest of the distance has been secured from farmers residing along the route. The road will be operated under Oregon state supervision in connection with steamers, which will carry freight from the Upper Columbia to Celilo, where it will be transferred to the railroad and transported to The Dalles, thence it will be taken by steamers to Portland and Astoria.

ERIE.—J. C. Stuart, Gen. Mgr., 21 Cortlandt St., New York, has announced that it is proposed to spend $8,000,000 for improving Jersey City terminal. In the event of certain demands being granted by the city the company will move its ferry house from Pavonia Ave. to 13th St. and erect a steel train shed equal in size to the present one occupied by the Pennsylvania in Jersey City. The new shed will be double decked. The lower floor will have 22 tracks, and the upper part of the structure have 16. An "open cut" will be made through Bergen Hill. A tunnel under the Hudson River may be built jointly with another railroad company.

GRAND VALLEY, COLORADO RIVER & SOUTH PACIFIC.—Denver papers declares that funds are being raised by L. C. Twombly for construction of this road. The company was organized over a year ago in Arizona. Geo. R. Proper is Pres.; Henry Barna, Secy., and Z. K. M. Barna, Treas. If built, the line will run from Grand Junction, Colo., down the Grand River valley to the junction of the Green and Grand Rivers, which form the Colorado River, and thence on down the Colorado to the gulf of California, covering a distance of about 1,450 miles.

LANSING MANUFACTURERS' RY.—O. A. Jenison, Supt., Lansing, Mich., writes us that "Herman K. Vedder, Lansing, has charge of survey for this road. Our motive power will be steam. Projected length, approximately 6½ miles. The final survey is nearly completed and practically all the right-of-way purchased or contracted for. Capital stock is $100,000 and a sufficient amount has been paid in for immediate needs. We hope to be able to arrange contracts for grading and building of the bridge this winter, and unless too cold weather prevents, we shall construct at least four miles this season. The object of this road is to build a connecting or belting line that will join together the Grand Trunk Western, Pere Marquette, Michigan Central and Lake Shore Railroads together with the Lansing & Suburban Traction and Electric line, with which we hope also to make connections." Noted on Dec. 1.

MIDLAND AIR LINE RY. & NAVIGATION CO.—It is reported that this company has been organized at Lamont, Ia., to build from Des Moines, Ia., to Port Arthur, Tex. Capital will be $1,000,000. Dr. J. W. Crofford is Pres.; John Brown, Vice-Pres. and E. H. Dancer, Treas.

MISSOURI, OKLAHOMA & GULF.—W. P. Dewar, Secy. to President Wm. Kennefick, has announced that 375 miles of railway will be built in Indian Territory. The line will run from Joplin, Mo., to Denison, Tex. Fifty miles of the distance have been completed under the name of the Muskogee Union. Mr. Kennefick may be addressed at Kansas City, Mo. This company was chartered last month in Oklahoma with $10,000,000 capital.

MISSOURI PACIFIC.—A branch line will be built to connect Springfield, Mo., with the White River branch. W. B. Sanford, Chn. Com. of Springfield Club, is interested in project.

Various storage tracks, round houses, new buildings, switches, etc., will be laid out at Cotter, Ark., by M. A. Hansen, Asst. Engr., at Little Rock, Ark. Terminal facilities at Little Rock will be extensively improved. Mr. Hansen may be addressed.

NEW YORK, ONTARIO & WESTERN.—Press report announces that the New York, New Haven & Hartford Railroad Co. will double-track the Ontario & Western to the point where its branch line goes southward to Scranton. The branch will be double-tracked from Campbell Hall eastward to Derby Junction. This will involve the strengthening of the Poughkeepsie bridge.

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NEW YORK, PENNSYLVANIA & SOUTHWESTERN.—This company is reported successor to the Binghamton & Southwestern Ry. Co. J. Wesley Allison is Pres.; G. H. Meldrum, Secy., and T. M. Johnson, Treas. Offices, 74 Broadway, New York. The Colonial Construction Co., New York, has general contract, as announced in Engineering News of Nov. 24.

NORTHERN ALABAMA RY.—A branch will be built in Walker County, about two miles long. H. E. Hutchins, Memphis, Tenn., is Supt.

NORWOOD & ST. LAWRENCE.—An extension to St. Lawrence River from Watertown, N. Y., will be built. Francis H. Hugo, Watertown, N. Y., is Secy.

OPELOUSAS, GULF & NORTHEASTERN.—Judge T. H. Lewis, Pres., has stated that work may begin soon on this line. It will be built from Opelousas, La., to connect with either the Texas & Pacific or Frisco Systems. Steps have been taken to raise funds. George T. Edwards is Secy., at Opelousas, La.

PENNSYLVANIA RY.—It is reported a $100,000 contract has been awarded to C. A. Sims & Co to construct a branch line to the George W. Johnson limestone quarries, near Lowellsville.

PENNSYLVANIA LINES WEST OF PITTSBURG.—W. C. Cushing, Ch. Engr., M. of W., Pittsburg, informs us that plans have not been perfected for proposed double-tracking of the Pittsburg, Cincinnati, Chicago & St. Louis from Indianapolis to Richmond and between Florence and Xenia, O.

SALT LAKE & OGDEN.—Location surveys are being made for an extension from Kaysville to Ogden, 16 miles. E. A. Vail, Salt Lake City, Utah, is Ch. Engr. Road is 18 miles long. 3½ miles are now under construction.

SAN PEDRO, LOS ANGELES & SALT LAKE.—Utah Construction Co. has been let the contract for grading a new line near Modena Station, Utah. Work includes 10.8 miles of new track.

TEXAS.—Edward Kennedy, of Beaumont, has made proposition to citizens of Nacogdoches to build a railroad from a point on the Cotton Belt road between Alto and Wells to that city. Business League Committee has matter under consideration.

UNION RY.—E. C. Brown, Engr. M. of W., Port Perry, Pa., informs us that nothing definite has as yet been determined in connection with proposed extension of Monongahela Southern, noted in last week's issue of Engineering News.

STREET AND ELECTRIC RAILWAYS.

BANGOR, ME.—It is reported that the Eastern Traction Co. will begin the construction of its proposed line next spring. All grants have been secured, including the right to build in Bangor.

BOSTON, MASS.—Petitions have been filed with Railroad Commissioners, as follows: Interstate Consolidated Street Railway, for a location in North Attleboro; Union Street Ry. Co., for a location in New Bedford; Boston & Northern Street Railway, for a location in Woburn; Worcester & Holden Street Railway, for a location in Holden.

DEPEW, N. Y.—The Buffalo & Rochester Ry. Co., of Depew, has been incorporated with $3,000,000 capital stock to construct an electric railway 60 miles long from Depew to Rochester. Directors: Henry H. Kingston, J. Andrews Harris, Jr., John J. Collier, Horatio A. Foster, T. Henry Dixon and Samuel Welsh, of Philadelphia, and Wm. B. Cotter, Geo. A. Ricker and Herbert P. Bissell, of Buffalo.

ITHACA, N. Y.—E. B. Kay, City, and New York capitalists, are making preliminary plans for an electric railway from Ithaca to Elmira.

SYRACUSE, N. Y.—The St. Lawrence Electric & Land Co. contemplate extending the system this spring. The company operates an electric road from Alexandra Bay to Redwood. It is believed that the intention of the company is to extend ultimately to Watertown and Syracuse. Jacob Amos, City, is Pres.

SCHENECTADY, N. Y.—Residents of Craig and Rexford Flats, suburbs of Schenectady, have asked Schenectady Ry. Co. to build a bridge across Mohawk River and establish a belt line system. E. C. Lewis is Ch. Engr.

READING, PA.—The Tamaqua & Lansford Street Ry. Co. intends extending its line to Middleport, a distance of eight miles, in the spring.

BRIDGEVILLE, PA.—The Bridgeville Street Ry. Co. has been incorporated with $60,000 capital stock to build ten miles of electric road in Scott Township. A. J. Barron, of Pittsburg, is Pres.

POTTSTOWN, PA.—Councils have granted permission to Trappe & Limerick Ry. Co. to lay tracks on Queen, Adams and King Sts. The ordinance provides for the payment of $16,000, and the paving, for a width of 9 ft., of the streets occupied. The road, which is an extension of the Schuylkill Valley line from Sanatoga to Pottstown, is now being built.

ALLEGHENY, PA.—The Watson Street Ry. Co. has incorporated with $9,000 capital stock. Company will construct an electric line from Evergreen Road and East St. to terminus of Perryville Ave. Wm. Kaufman, City, is Pres.

SHENANDOAH, PA.—An electric railway line between Shenandoah and Pottsville via Frackville is planned by Schuylkill County capitalists. The right of way through Frackville and intermediate boroughs has been asked for by Wm. H. Wilhelm, Geo. E. Gorber and W. J. Smith, the latter Superintendent of the Schuylkill Traction Co.

WHEELING, W. VA.—The City Railway Co. proposes to increase its capital stock and to authorize the issue of $1,000,000 bonds for construction and equipment. B. E. Walker is Ch. Engr.

RALEIGH, N. C.—The Raleigh-Durham Passenger & Power Co. has been granted a charter, and will construct an electric railroad between Raleigh and Durham, two belt lines in Raleigh, and power and light plants for the two cities, and an ice plant for Durham. Capital, $125,000. Surveys will be started as soon as franchises are secured. Incorporators: W. J. Nelms, T. B. Fuller, B. S. Jerman, Jones Fuller and others.

HENDERSONVILLE, N. C.—An electric railway will be built from this place to Laurel Park. W. A. Smith is chief promoter.

JACKSON, MISS.—The Jackson Electric Street Ry. Co. has decided to double track several miles of its road in the town, and will soon call for bids on grading and material.

NEW ORLEANS, LA.—Borgnemouth Realty Co. is preparing to construct six miles of electric railway, and will soon call for bids and specifications on grading and material.

NEW ORLEANS, LA.—Carrol & Dinkins have obtained a franchise, and will probably soon construct six miles of electric street railway between Algiers and Gretna.

SHELBYVILLE, TENN.—Dr. F. B. Reager and associates contemplate building an electric line from this place to Huntsville, Ala.

MEMPHIS, TENN.—The City Street Ry. Co., F. R. Harris, Pres., has been granted a franchise to build a crosstown electric car system.

CHILLICOTHE, O.—County Commissioners have granted to Chillicothe Traction Co. a franchise to construct their line east of South Charleston to Madison County line.

YOUNGSTOWN, O.—M. E. McCaskey, Gen. Mgr. Mahoning Valley Ry. Co., announces that the company will expend $250,000 during the next year in improving service and equipment.

HILLSBORO, O.—It is reported that the work of securing right of way for proposed electric line from Wilmington to Hillsboro is about completed. It is expected that the road will be built next year. Edwin G. Orr, of Dayton, can inform.

MASSILLON, O.—City authorities want the Canton-Akron Ry. Co. to build an extension from West Brookfield to East Greenville. E. J. Rouch, of Canton, is Gen. Mgr.

INDIANAPOLIS, IND.—An electric line from Indianapolis to Rockport is projected by J. H. Lorimer and several other Indianapolis capitalists. The new road will be known as the Indianapolis & Ohio Valley Traction Co., and will be surveyed along the route of Indianapolis Southern.

PRINCETON, IND.—The Pocket Electric Ry. Co., recently organized here, has announced its intention of constructing a line from this city to Petersburg, Ind. Actual work of grading the road is to begin in the spring. A large part of the right of way has been secured. It is the intention to eventually extend the line to Vincennes and Washington.

ANN HARBOR, MICH.—The Ann Harbor Interurban Ry. Co., capital $500,000, has asked City Council for a franchise. It proposes to run from Toledo to Ann Arbor via Whiteford Center, Deerfield, Briton, Mooreville and Saline.

KENOSHA, WIS.—Plans for building an electric railway from Kenosha to Lake Geneva have been practically completed and the promoters will ask for a franchise to use the streets of the city.

RACINE, WIS.—It is understood that the Milwaukee Electric Railway & Light Co. will extend a line to Horlicksville next year.

WATERLOO, IA.—It is expected that two new electric lines will soon be built into Waterloo. One is the extension of Smith-Dows line from Iowa City to Cedar Rapids on to Waterloo. The other is the line proposed last summer from Marshalltown to this city. The Watertown, Cedar Falls & Northern Ry. Co. is also planning an extension from Sumner to West Union, a distance of about 30 miles. L. S. Cass, City, may be able to inform.

HANNIBAL, MO.—Promoters of Missouri & Illinois Electric Co., who propose to construct an electric line between Hannibal and Quincy, Ill., presented an ordinance for a franchise at a recent meeting of City Council. Referred to a committee.

MEDICAL LAKE, WASH.—The Spokane, Medical Lake Electric Ry. Co. has secured all right of way and will soon let contracts for grading work. D. L. Huntington, Gen. Mgr. Washington Water Power Co., is interested.

NAPA, CAL.—The Vallejo, Benicia & Napa Valley Electric Ry. Co. has been granted a franchise to operate a railway on Seminary St. from First to Calistoga Ave.

BRANTFORD, ONT.—An electric railway between Brantford and Hamilton seems to be assured. The route is now being surveyed and construction will be commenced early next spring. J. K. Leslie, of Toronto, is one of the promoters.

LIGHT, HEAT AND POWER PLANTS.

FALL RIVER, MASS.—The Fall River Gas Works Co. has filed a petition with State Board of Gas and Electric Light Commissioners to increase capital stock $115,000. The present capital of the company is $835,000. New issue is asked to pay for the expense of additions. The date of hearing will be assigned later.

WATERBURY, CONN.—E. O. Goss, Waterbury, writes us under date of Dec. 6 that nothing will be done by the Naugatuck Valley Water Co. toward developing Naugatuck River water power until a charter has been obtained. Previously noted.

VALLEY STREAM, N. Y.—The Queens-Nassau Electric Light & Power Co. has been incorporated with principal office at Valley Stream. Capital, $100,000; directors, G. F. Swinnerton, of New York; A. Foshay and R. K. Thompson, of Brooklyn.

NEWARK, N. J.—The Middlesex Lighting Co., of Newark, is reported to have incorporated to manufacture and generate electric current for light, heat and power. Capital, $100,000. Incorporators: Albert B. Carlton, Elizabeth; Percy S. Young, Passaic, and Frederick Evans, New York city.

CONNELLSVILLE, PA.—Council has granted permission to Star Gas Co., of Pt. Marion, to lay mains in this town. A. S. Maple, Pres., Pittsburg, has stated that work will be begun at once.

CHAMBERSBURG, PA.—Bids were received on Dec. 1 by Dr. John C. Greenwalt, Chn. Com., for municipal light plant, consisting of the power house, necessary machinery and pole lines, also all lights and appliances. The bidders were: T. M. Nelson, Chambersburg, $65,000; E. E. Foust, for Chambersburg syndicate, $61,550; Charles Walter, for clients, $75,530; J. L. Blackwell Co., Baltimore, $66,650; Grier L. Hersh, York, $72,375. Action was deferred. Propositions to lease the plant were made, the first by W. W. Levering, Secretary of the Gas & Electric Developing Co., of Philadelphia, offering to rent for 10 years, giving the municipality 10% of the gross receipts; the second by R. M. Anderson, representing a Philadelphia syndicate, that offered to lease for 15 years at 15% of the receipts.

RICHMOND, VA.—W. H. Thompson, Cy. Electrician, writes us that E. W. Trafford, Consult. Engr., was appointed on Dec. 5 to prepare plans and specifications for proposed municipal electric plant. Noted on Nov. 17.

RALEIGH, N. C.—The Raleigh-Durham Passenger & Power Co., recently incorporated with a capital of $125,000, will establish an electric light and power plant in this city. W. J. Nelms is an incorporator.

DURHAM, N. C.—An electric light and power plant will be established here by the Raleigh-Durham Passenger & Power Co., of Raleigh, capital $125,000. It is also contemplated to build an ice plant in Durham. Thos. Staples Fuller, of Raleigh, N. C., is one of the leading incorporators.

CLINTON, S. C.—It is reported that Chas. C. Wilson, Consult. Engr., 1502 Main St., Columbia, S. C., will receive bids about Jan. 1 for an electric light plant for this town.

NEWBERRY, S. C.—A. L. Scott, of Lockwood, Greene & Co., Archts. and Engrs., 53 Federal St., Boston, writes us that the Parr Shoals Co., noted last week as having incorporated with $50,000 capital, is a holding company formed to take over lands which will be required for development of the Parr Shoals in Broad River. Necessary surveys have been made. The company has financial backing, it is said. Further details will be announced later. It is estimated that 25,000 HP. can be developed.

COLUMBIA, S. C.—The Columbia Gas Co. will rebuild its plant and lay new mains, according to the Trade and Pink Sheet Bulletin.

GREENSBORO, GA.—Bids are asked until Dec. 20 for purchase of $8,000 of municipal bonds to be used for installing an electric light plant. Jas. H. McWhorter is City Clk.

JACKSON, MISS.—C. H. Evans, Rialto Bldg., Chicago, is reported to be preparing plans for a coal gas plant to be erected in this city at cost of $200,000.

YOUNGSTOWN, O.—The Pennsylvania & Mahoning Valley Street Ry. Co. will erect a large power house near Haselton. Site is said to have been secured.

TERRE HAUTE, IND.—Board of Public Works has awarded contract for city electric lighting for next five years to the Terre Haute Traction & Light Co., at $75 per light a year.

MOLINE, ILL.—The People's Power Co. will increase its capital stock from $600,000 to $1,000,000; $125,000 will be spent for improving plant next year. A new building for purification of gas will be erected and a 2,000-HP. generator installed.

MACKINAW, ILL.—Franchise for an electric plant has been granted to local company. Ralph Puterbaugh is reported interested.

MILWAUKEE, WIS.—Henry Smith, Alderman, 761 Booth St., writes us that electors at last election sanctioned the issue of bonds for a municipal electric light plant. Council recently defeated an ordinance providing for this issue. Noted last week.

CRESTON, IA.—E. M. Springer, who is one of the promoters of proposed electric light plant, has stated that he has an engineer working on plans and will have them ready to present for bids in a short time.

MINNEAPOLIS, MINN.—Ellis R. Dutton, Asst. Cy. Engr., informs us that on Dec. 9 the following contracts were awarded for street lighting: Minneapolis Gas Light Co., for gas to be furnished for street lighting, 95 cts. per thousand; Paterson Street Lighting Co., of Chicago, for 5,500 or more incandescent lights, including maintenance and everything except gas, $13.40 per lamp per year; Minneapolis General Electric Co., for 1,625 all-night arc lamps, $94 per lamp per year.

POCAHONTAS, ARK.—S. C. Dowell, Pres. and Treas. of the Pocahontas Power Co., is authority for statement that it is proposed to construct an electric light plant, to cost $25,000. Ruebel & Wells, Chemical Bldg., St. Louis, Mo., are the Engrs.

CLARKSVILLE, ARK.—An electric light plant will be erected here by Col. E. T. McConnell.

HUMBLE, TEX.—The Humble Electric Co., capital $30,000, has been chartered here to supply heat, light and power. Incorporators: J. C. Wilson, F. A. Peters and F. D. Lyon, of Houston.

KANSAS CITY, MO.—Ordinance giving franchise to Hugh J. McGowan, Randall Morgan and Charles E. Small to furnish natural gas for 30 years for domestic and manufacturing purposes has been passed by both houses of the Council.

ALBUQUERQUE, N. MEX.—A franchise applied for by J. A. Jones, representing Eastern capitalists, and F. H. Kent, of Albuquerque, has passed its first reading by City Trustees. If franchise is granted applicants declare that they will lay ten miles of pipe and begin construction of a fuel and gas plant within 60 days.

SEATTLE, WASH.—At recent election it was voted to issue $250,000 of bonds for extension of present municipal lighting system.

CALISTOGA, CAL.—Bids are asked until Jan. 3 for the franchise and privilege to construct and maintain for a term of 50 years an electric light and power system and to erect all necessary wires for system over and upon lanes and alley of this town. C. W. Armstrong, Pres.; Frank Teale, Clk.

OCEANSIDE, CAL.—Application of E. V. Groffes for a gas and electric light franchise was granted and a resolution ordering sale of franchise adopted by Trustees. The Board authorized President Harrington to enter into a three years' contract with Oceanside Gas & Electric Co., represented by Mr. Groffes, for street lighting.

ORANGE, CAL.—An ordinance has been adopted by city granting to M. L. Willits a franchise for erecting and maintaining a gas plant, laying gas pipes and conduits in the streets of Orange.

Notice is given that a bond election will be held Jan. 7 to vote on an issue of $50,000 for water system, $15,000 for electric light and power plant and $10,000 for city hall. H. Wyneken is Cy. Clk.

TULARE, CAL.—A 50-year franchise has been granted to Clarence L. Smith to lay pipes and supply city with gas for light, heat and power purposes. William Kettner, of Visalia, and S. Peterson, of the Western Gas & Construction Co., San Francisco, are associated with Mr. Smith.

VISALIA, CAL.—Wm. Lettner has been granted a franchise for the erection of a gas plant. Work of construction will begin immediately.

VALLEJO, CAL.—The California Gas & Electric Co. has replaced the Vallejo Gas Light Co. The new company will spend $25,000 in improving the local system, which will be extended to every portion of the city. The work on the improvements will probably be started immediately and it is planned to have the new works completed by Feb. 1. J. W. Thomas is local manager.

AMERICAN FORK, UTAH.—The auxiliary electric light and power plant which the Utah County Light & Power Co. of this place is arranging to install 1¾ miles above its present plant, in the American Fork canyon, will cost about $150,000. The location survey is completed. The board of directors at next meeting probably will make definite arrangements as to the time it will commence the construction.

SALT LAKE CITY, UTAH.—Directors of the Utah Light & Railway Co. at recent meeting authorized the construction of a steam power plant upon land owned by the company on the Jordan River between West South Temple and West First South Sts. Initial cost of the building and the machinery with which it will be equipped will, it is stated, be $250,000. It is intended to have this plant

in operation by Oct. 1, 1905. Company will contract in the near future for a 3,000-HP. engine, which is to be delivered as soon as it can be built. Legrand Young is Gen. Counsel.

MONTREAL, QUE.—Herbert S. Holt, Pres. Montreal Light, Heat & Power Co., with others, is stated to have purchased the water power at Kakapecca Falls, and a power plant will be constructed with a capacity of 30,000 HP.

BRIDGES.

BOSTON, MASS.—Secretary Taft will be asked to give the necessary permission for bridging of Fort Point channel, South Boston. Col. Stanton, U. S. civil engineer for district, can inform.

BINGHAMTON, N. Y.—Repairs of Tompkins St. bridge will probably not be made before spring. De Witt C. Herrick is Cy. Clk.

SCHENECTADY, N. Y.—(See under Electric Railways.)

NEW YORK, N. Y.—Bids are asked by Department of Parks, John J. Pallas, Pres., until Dec. 22, for furnishing labor and material for erecting a one-arch stone bridge in Botanical Garden in Bronx Park.

ATLANTIC CITY, N. J.—Bridge Committee of Board of Freeholders has approved plans for three new bridges—Absecon, Port Republic and Hammonton.

WILLIAMSPORT, PA.—Residents of Nippenose, Woodward and Piatt Townships, and Borough of Jersey Shore, have petitioned for a bridge across Susquehanna River between Level Corners and Nippono Park.

BELAIR, MD.—Bids are asked by County Commissioners until Dec. 19 for constructing two steel concrete bridges and abutments. B. F. Hanway is Pres.

CASSVILLE, W. VA.—A charter has been granted to Cassville Bridge Co. for the purpose of constructing a toll bridge across Tug and Levisa Forks of Big Sandy River, at Cassville. Capital, $25,000. Incorporators: John Bartram, Sr., S. Z. Frasher, L. H. Young, of Fort Gay, W. Va.; Augustus Snyder and M. F. Corley, of Louisa, Ky.

AKRON, O.—Geo. Crisp & Son, City, were awarded the contract for substructure of Mill St. viaduct at their bid of $42,356. Brackett Bridge Co., of Cincinnati, O., was given contract for superstructure at $42,621.

CLEVELAND, O.—County Commissioners have rejected bids for bridge over canal at Tinkers Creek and for bridge over Big Creek, on Jennings Ave. in Brooklyn, owing to technical errors.

TOLEDO, O.—County Commissioners have decided to build a new bridge over canal at Clark Ave., in Adams Township.

SPRINGFIELD, O.—It is stated that a new bridge on South Factory St. will be ordered by Board Public Service. W. H. Sieverling is Cy. Engr.

DAYTON, O.—Irvin Watson, Engr., Reibold Bldg., is preparing plans for viaduct railroad at Third, Webster and Bainbridge Sts.

DAYTON, O.—Bids are asked by Wm. F. Miller, Clk. Bd. Pub. Service, until Jan. 6 for construction of steel superstructure for bridge across Great Miami River at Herman Ave. (Advertised, Engineering News.)

PRINCETON, IND.—Bids are asked by County Commissioners until Dec. 30 for constructing and repairing bridges. F. R. Ewing, County Audr.

INDIANAPOLIS, IND.—It is reported that bids will be received by Cyrus J. Clark, County Audr., for $170,000 bridge bonds.

INDIANAPOLIS, IND.—Bids are asked by Marion County Commissioners until Dec. 17 for constructing several bridges in this county. Cyrus J. Clark, County Audr.

DES MOINES, IA.—Concrete Steel Construction Co. has prepared plans for a concrete and steel bridge, consisting of three spans, each 120 ft. long, over Des Moines River at Locust St.; approximate cost, $135,000.

ST. PAUL, MINN.—Bids are asked by County Commissioners until Dec. 19 for repairing Edgerton St. bridge. Ed. G. Krahmer, County Audr.

ST. PAUL, MINN.—L. W. Rundlett, Cy. Engr., will begin preparing plans and specifications at once for rebuilding wrecked portion of high bridge. Est. cost, $60,000.

CASTLEWOOD, S. DAK.—Plans, specifications and bids will be received by County Commissioners until Jan. 6 for constructing a 65-ft. span steel bridge over Sioux River, with 30-ft. approach at one end. L. H. Forde, County Audr.

FORSYTH, MONT.—We are informed that bids will be received by R. J. Cole until Dec. 17 for constructing bridge across Yellowstone River. Est. cost, $45,000.

KANSAS CITY, MO.—It is said that the Belt Line is preparing to issue $280,000 bonds to rebuild Kaw River bridge and for other betterments, including viaducts demanded by the city. R. W. Waddell is Cy. Engr.

ARGENTA, ARK.—It is stated that plans have been prepared for a viaduct to be constructed over railroad tracks on Main St., at Fort Smith Crossing.

GALVESTON, TEX.—It is reported that Gulf, Colorado & Santa Fe Railroad contemplates replacing iron bridge across Neches River by a large masonry center pier and a heavy steel draw at a cost of $25,000. A. F. Robinson is Asst. Bridge Engr., Chicago, Ill.

NEWKIRK, OKLA.—Bids are asked by H. B. Davis, Deputy County Clk., until Dec. 19 for constructing 12 steel bridges in Kay County.

SPOKANE, WASH.—McCreary & Willard, City, have been awarded contract for reinforcement of eight steel bridges on Yellowstone division of Northern Pacific, and also contract for construction of a small bridge on same division. Work will cost about 30,000, and will commence about Dec. 15.

SPOKANE, WASH.—Bids for constructing proposed East Olive St. bridge were opened by Board Public Works Dec. 2, and the lowest bidder was Joe Zingine, at $11,941. As the appropriation is but $7,500, it is probable that Board will advertise for new bids.

LOS GATOS, CAL.—City has voted to issue bonds to build a bridge on Main St. Cost, $4,000.

STOCKTON, CAL.—M. B. Whire has been awarded the contracts for construction of two bridges, one over Walker Lane and the other over Rock Creek, for $2,295 and $3,371, respectively.

SACRAMENTO, CAL.—The Sacramento "Union" states that plans for bridging Carquinez Straits perfected by Southern Pacific Co. are in the hands of Col. W. H. Heuer, of San Francisco, for transmission to War Department. It will be a draw bridge over a mile in length.

OTTAWA, ONT.—Bids are asked by L. K. Jones, Secy. Dept. of Rys. and Canals, until Dec. 20, for substructure of Atwater Ave. bridge. Plan and specifications can be seen and obtained at office of Superintending Engineer of Quebec Canals, 2 Place d'Armes, Montreal.

COEUR D'ALENE, IDAHO.—Engineers have been surveying a branch from Northern Pacific to the mill of the B. R. Lewis Lumber Co. If constructed this will necessitate an expensive bridge.

BUILDINGS.

ROXBURY, MASS.—Congregation Adath Jesurun of Roxbury has purchased site for a synagogue. It will cost $50,000 to $75,000.

BOSTON, MASS.—Wm. Crane, 7 Water St., was lowest bidder, at $61,467, for constructing a school building on Tuckerman School site, Lincoln District, South Boston.

NEW LONDON, CONN.—Competitive plans are said to have been received by Building Committee of New London Manual Training and Industrial School for a new building. Fred. S. Newcomb, Lucius E. Whiton and George Whittlesey are Com.

CANANADAIGUA, N. Y.—Board of Education has received plans, it is said, from Wilson Potter, Arch., 1 Union Sq., New York, for a 3-story school, to cost $75,000.

NEW YORK, N. Y.—Bids were received as follows for erecting a 1-story public bath building, 163 × 140 ft., on Ave. A., from 23d to 24th Sts.: Luke A. Burke & Co., 401 West 59th St., $213,750; Louis Wechsler, 1135 Broadway, $214,700; New York State Construction Co., $244,033; Murphy Bros., 489 Fifth Ave., $230,900; C. H. Peckworth, 415 Hudson St., $218,445; T. B. Leahy, 9 East 42d St., $225,221; Kelly & Kelley, 39 East 42d St., $220,989; R. Heningham, Brooklyn, $221,760; P. J. Ryan, $221,930; Fuller & O'Connor, $214,275; Thos. Cockerill & Son, 147 Columbus Ave., $214,000.

Bids were received on Dec. 12 for general construction of public school 149 on Sutter Ave., Boro. Brooklyn: Clarke & Stowe, 15th Ave. and 71st St., $372,700; R. E. Heningham, 4 Court Sq., $360,000; P. J. Brennan, 66th St. and Broadway, $397,389; Wm. Werner, 892½ Forest Ave., $387,122; Nassau Construction Co., Brooklyn, $374,790; Peter Cleary, 235 Bainbridge St., $352,000; Myron C. Rush, 327 Franklin Ave., $379,937; Chas. Peckworth, 415 Hudson St., $357,445; John Thatcher & Sons, 54 Park Ave., $361,000; George Hildebrand, 38 Park Row, $374,400; John Auer & Sons, 957 Broadway, $372,945.

Bids were received by Park Department on Dec. 8th for work and material for the installation of steam power, heating, and ventilating apparatus in the New York Public Library, Astor, Lenox and Tilden Foundations, Fifth Ave., 40th and 42d Sts., as follows: Rossman & Bracken, $342,000; J. T. Finn, $371,785; Evans, Almiral & Co., $331,789; Francis Bros. & Gillett, $400,000; Baker, Smith & Co., $315,000; E. Rutzler & Co., $339,000; United Heating Co., $327,450; James Curran Mfg. Co., $376,000; New York Steam Fitting Co., $299,333; Thompson-Starrett Co., $300,800; Walker & Chambers, $390,000; Gillis & Geoghegan, $328,000; G. A. Suter & Co., $339,000; Wells & Newton, $346,000; Blake & Williams, $333,833; Baldwin Engineering Co., $340,000. Frank Dobsop, 218 East 42d St., was lowest bidder, at $299,000.

Bids are asked by the Department of Parks, until Dec 22, for repairs to and electric wiring in the Sailors' and Soldiers' Arch, Borough of Brooklyn.

Included in estimates of appropriation sent to House of Representatives by the Secretary of the Treasury is one appropriating $1,500,000 for continuing construction of new Custom House.

The Sinking Fund has approved a report from Armory Board appropriating money to enlarge the Thirteenth Regiment Armory in Brooklyn. The land will cost $75,000, the building $320,000.

Blake & Williams, 210 West 20th St., have been awarded contract for ventilating and heating apparatus in School No. 62, at $54,293. There were seven bidders.

Bids are asked until 11 a. m., Dec. 19, for sanitary work, installing heating and ventilating apparatus, etc., and also for general construction of a school building for Board of Education. C. B. J. Snyder, Supt. School Bldgs.

NEW YORK, N. Y.—Bids were received on Dec. 12 by Commissioner William McAdoo for installing heating and ventilating system, boilers and steam piping in building to be erected for Police Department Headquarters, as follows: Gillis & Geoheegn, $43,000; Rossman & Bracken Co., $49,000; Frank McSwegan, $49,000; Baldwin Engineering Co., $46,760; Baker, Smith Co., $45,867; E. Rutzler, $48,000; United Heating Co., $49,110;. N. Y. Steam Fitting Co., 139 Elm St., $38,104; Frank Dobson, $52,500; Walker & Chambers Co., $46,930; Wells & Newton Co., $54,870.

ROCHESTER, N. Y.—George F. Roth, Pres. Rochester Carting Co., states that a 4 or 5-story building will be erected on block bounded by Brown, Jay, Kent and Oak Sts. Total cost, $1,000,000. Building probably will be used for warehouse purposes.

FORT SLOCUM, N. Y.—Plans and specifications for brick double barracks at this fort are on file at New York office of Engineering News. Bids are asked until Dec. 27. Advertised in Engineering News, Dec. 8—Dec. 22.

ELKINS, PA.—Bockie & Hastings, Archs., 328 Chestnut St., Philadelphia, will receive bids for 3-story school building. Estimated cost, $50,000.

PHILADELPHIA, PA.—Col. Albert Logan, Pres. National Guard Association of Pennsylvania, Pittsburg, writes that matter of securing appropriations for new armories is now in hands of a special committee.

Philip H. Johnson, Arch. and Engr., has prepared plans that will be ready for bidders in about a month, for proposed House of Detention for Juvenile Court. It will be erected at 22d and Arch Sts. Cost, $50,000. It will be four stories high, of ornamental fireproof granite, brick and terra cotta, 36 × 99 ft.

John N. Gill & Co., Builders, have been awarded contract for erection of $100,000 clubhouse at Juniper and Arch Sts. for Philadelphia Lodge No. 2, B. P. O. Elks. Edward P. Simon is Arch.

Site at 16th and Lombard Sts. is recommended by Board of Education Committee on Property for proposed elementary school.

Contract for 7-story building for the Merchants' Warehousing Co., has been awarded to Armstrong & Latta. It will be of stone, brick and steel, fireproof throughout, and will cost about $230,000. G. W. & W. D. Hewitt are the Archs.

Information concerning contracts to be let or supplies to be furnished, and corrections of errors and omissions in published items, are invited. Full details regarding the equipment, tools, etc., required for the proposed improvements are specially desired.

PHILADELPHIA, PA.—Plans have been completed for proposed Union League clubhouse. It will cost $[illegible]. Including present building it will occupy entire block bounded by Broad, 15th, Sansom and Moravian Sts.

SPRING CITY, PA.—Philip H. Johnson, 111 North Broad St., Philadelphia, is preparing plans for Home for Epileptics and Feeble-Minded, to be erected at this place. Estimated cost is $600,000. Senator John M. Reyburn, Chn. of Com. He will, it is said, apply to Legislature for necessary appropriation.

LANCASTER, PA.—Teachers' Institutes in [illegible] counties of the State are interested in a movement to raise a fund of $100,000 to found and erect a Normal Industrial School.

WILLIAMSPORT, PA.—In will of James V. Ferguson $450,000 is left to establish a public library and gallery for Williamsport. The structure will be erected immediately, it is reported.

CAMBRIDGE SPRINGS, PA.—T. E. Cornelius Arch. Ferguson Bldg., Pittsburg, has plans for a $75,000 house for Chas. R. Moore, Bank of Savings Bldg., Pittsburg, to be erected near Cambridge Springs.

ALLEGHENY, PA.—Trustees of the Presbyterian Hospital of Pittsburg and Allegheny at a recent meeting decided to expend $100,000 on the new building to be erected at Montgomery and Sherman Aves., Allegheny. The plans call for a 4-story brick building, 110 × 80 ft., modeled after the general hospital, at Fairmount, W. Va.

WILKESBARRE, PA.—Owen McGlynn, Arch., has completed plans for parochial school for St. Mary's R. C. church. Estimated cost, $55,000.

PITTSBURG, PA.—Henry Phipps, Bessemer Bldg., has had plans drawn for a 10-story hotel, to be erected at Sixth St. and Duquesne Way. It will cost about $1,000,000. The steel work is now up to the third story, but plans for the entire building have never been figured. Harry B. Naylor, Bessemer Bldg., may be addressed.

Alden & Harlow, Farmers' Bank Bldg., will take bids on the furnishings and decorations of the addition to Carnegie Institute. The cost of these is estimated at $1,000,000. They will include mosaic work, wall paintings, carpets, rugs, tapestries, furniture and library fixtures. Trustees are said to favor plant to commission several artists to paint pictures, costing from $5,000 to $25,000.

PITTSBURG, PA.—City will erect administration building, three stories, 50 × 54 ft., near Aspinwall, Pa., in connection with the new filtration plant. Cost, $50,000. Rutan & Russel, First National Bank Bldg., are Archs. E. M. Bigelow is Director Dept. Pub. Wks.

McKEESPORT, PA.—Chas. Ruben, 920 Western Ave., Allegheny, Pa., will erect 5-story office and apartment building here; 120 × 140 ft. Cost, $150,000. Tooker & Stophlet, Fitzsimmons Bldg., Pittsburg, are Archs.

PITTSBURG, PA.—Pittsburg Homeopathic Hospital Trustees have purchased a site in Shadyside for new hospital building.

WASHINGTON, D. C.—Bids are asked until Dec. 28 for building material for construction of concrete footings and foundations for House of Representatives office building, including concrete and building sand, broken stone, gravel, cement and brick. Elliott Woods, Supt. U. S. Capitol Bldg. and Grounds. (Advertised, Engineering News.)

WASHINGTON, D. C.—Bids are asked until Jan. 5 for furnishing and delivering all steel girders, beams and columns required for first floor of new building for National Museum. Bernard R. Green, Supt. Construction. (Advertised, Engineering News.)

Bids will be received by Commissioners of the District of Columbia for the construction of the new John W. Ross public school, to be erected on Harvard St., near 11th St., N. W. Cost estimated at $45,000.

Elliott Woods, Supt. Capitol Bldgs. and Grounds, writes us that no steps have as yet been taken to secure contracts or equipment for proposed Senate office building.

WHEELING, W. VA.—Col. Henry Schmulback, City, will erect an 8-story brick and steel fireproof business block on Market St., 100 × 120 ft. Cost, $450,000. Gilsey & Farls, Masonic Bldg., City, are Archs. Previously noted.

ELMGROVE, W. VA.—Thomas C. Kennedy, Arch., 331 North Charles St., Baltimore, informs us that plans have not been completed for Industrial School at this place. Particulars given last week.

BALTIMORE, MD.—Bids are being received, according to report, for two school buildings, one to be erected at Ramsay and Pulaski Sts., and other at Lakewood Ave. and Oliver St. Cost, about $40,000 each. E. D. Preston, Building Inspector, may be addressed.

It is reported that competitive plans may be asked for proposed Baltimore & Ohio Ry. Co. office building, to be erected at Baltimore and Charles Sts. D. D. Carothers is Ch. Engr.

Baldwin & Pennington, 429 North Charles St., have prepared plans for a $60,000 school building for the Ezenton Female Orphan Asylum, to be built on Cedar Ave., near the city, it is said.

Parker & Thomas, Archs., 429 North Calvert St., have plans for a 6-story building for the U. S. Fidelity & Guaranty Co. It will be erected at Calvert and German Sts., of concrete, brick and steel. Estimated cost, $200,000.

LOUISVILLE, KY.—Andrew Carnegie may donate, in addition to the $250,000 already donated for a Carnegie Library in Louisville, $200,000 for a number of branch libraries, to be built in different sections of the city. Chas. F. Grainger, the Mayor, is Pres. of Board of Trustees of the Library; Pilcher & Tachua, 32 East 28th St., New York city, are the architects. It is said that local architects may compete.

YAZOO CITY, MISS.—W. L. Kendall will erect a hotel building to cost $75,000.

Baptist congregation will erect a new structure to cost $15,000.

VICKSBURG, MISS.—Helgason Bros., City, will erect a 100-room hotel in this city.

PALATKA, FLA.—Bids are asked by City Council until Dec. 20 for the erection of a city building. Plans and specifications prepared by H. J. Klutho, Arch., Jacksonville, Fla. J. N. Blackwell, Cy. Clk.

COLUMBUS, O.—State Board of Agriculture has rejected all bids for new state buildings. Total cost, $68,000. Bids will be readvertised.

CINCINNATI, O.—Board of Public Service has received estimates of cost of proposed new city hospital building, as follows: 3-story administration building, $125,000; 2-story operating pavilion, $60,000; 3-story contagious pavilion, $40,000; nurses' home, $80,000; kitchen and outside help building, $58,000; power house and laundry, $50,000; ambulance court, $3,500; stable, $5,000; six 2-story ward buildings, one 2-story ward building, $392,000; tunnels for connecting buildings, $30,000; mechanical equipment, $125,000. It is expected that action will be taken soon on the report. John Fehrenbatch is Supt. City Hospital; Harry Hake, Union Trust Bldg., is Arch.

TOLEDO, O.—Bacon & Huber, Archs., Spitzer Bldg., have prepared plans providing for the erection of two additional stories to the Boody Hotel, and making various general changes. The addition will have 150 rooms, two-thirds of which will have baths and toilets in connection. Cost, about $150,000. Bids will not be received before the first of the year. Ferdinand Welsh is Proprietor.

Bids will be received soon, according to report, for new N. Nolas office building. It will be 16 stories high and cost $800,000. Construction will begin next summer.

INDIANAPOLIS, IND.—Plans prepared by C. P. Rubush & Co., Archs., have been approved by Castle Hall Association for a new building to be erected at Ohio and Hudson Sts. Building will be of Bedford stone, brick, steel, marble and oriental tile, and will be five stories high. Bids will be received at once. Construction will begin early in the spring. C. S. Demy is Chn.

INDIANAPOLIS, IND.—The New Telephone Co. has ordered plans and specifications drawn for a new exchange building on site of the present one. Machinery and switchboard building will first be constructed. As soon as the plans are completed bids will be asked. Work will begin early in the spring. S. P. Sherrin is Pres. and Gen. Mgr.

CHICAGO, ILL.—Holabird & Roche, Archs., Monadnock Bldg., will receive bids about Feb. 1 for addition to the Central Trading Co.'s store building, at Madison St. and Wabash Ave., for Maniel Bros., lessee. State and Madison Sts. Addition to be 12 stories, 70 × 150 ft., built to correspond with present structure; composition roof, electric light and nickel plumbing, etc. Cost, $350,000. Noted last week.

$200,000 is needed for mechanical equipment in the new post office building at Chicago. Matter is now before House Appropriations Committee at Washington.

H. L. Ottenheimer, Arch., 109 Randolph St., is making plans for a 16-story warehouse building, to be erected on the West Side, for Hartman Furniture Co. Cost, $90,000.

J. N. Tilton, 112 Clark St., Arch., is preparing plans for an apartment building, to be erected at Sheridan Road and Leland Ave., for McCarthy Bros., 134 Monroe St. To be three stories, 94 × 114 ft., of brick and stone, with composition roof. Cost, about $100,000.

CHICAGO, ILL.—Local report states that C. F. Herman, 417 City Hall, Arch., will receive bids at once for the following work: Engine house, to be erected at 1635 West 69th St.; cost $12,000; engine house, at 1245 West 13th St., cost $10,000; hook and ladder house, at 928-30 Rosemont Ave., to cost $12,000; engine and hook and ladder house, to be erected at Diversey Boulevard and Fairfield Ave., cost $24,000; hook and ladder house, to be erected at 6017-19 State St., cost $12,000; engine and hook and ladder house, to be erected at 14th St. and Michigan Ave., cost $24,000; bath house, 29th and Halsted Sts., 26 × 75 ft., cost $12,000; bath house, at 193-5 Gault St., 26 × 67 ft., cost $10,000; engine house, to be erected at 4714 Elizabeth St., cost $12,000. All buildings are to be two stories high.

Bids probably will be received about Jan. 1 for bank and office building, to be erected at La Salle and Adams Sts., for Corn Exchange Bank. 217 La Salle St. Cost, $700,000. Building will be 16 stories high, with all modern improvements. Shepley, Rutan & Coolidge, Old Colony Bldg., are the Archs.

HIGHLAND PARK, ILL.—The Exmoor Country Club, Highland Park, will erect a new clubhouse on a site which is under consideration by a special committee composed of Samuel Insull, 139 Adams St.; W. Irving Osborne, Pearborn and Monroe Sts.; George E. Marcy, room 712, 205 La Salle St.; George F. Steele, 7 Monroe St.; H. A. Ritter, 205 La Salle St.; F. W. Cushing, Charles F. Spaulding and B. F. Cummins, 42 West Jackson Boulevard, all of Chicago. The proposed building is to cost, including other improvements, about $150,000.

SPRINGFIELD, ILL.—Bids are asked until Jan. 6 for painting, etc., at court house and post office here. James Knox Taylor, Supervising Arch., Treasury Dept., Washington, D. C. (Advertised, Engineering News.)

ELLSWORTH, WIS.—Pierce County has voted to erect a $75,000 court house.

MANITOWOC, WIS.—A $150,000 court house will be erected here next spring. County Board has adopted such a report.

MILWAUKEE, WIS.—Council has passed an ordinance providing $50,000 of bonds for an isolation hospital to be built outside the city limits.

DES MOINES, IA.—Polk County Board of Supervisors has advertised for bids on furnishing steam fitting, plumbing and steel roofing for the new $900,000 court house in progress of erection here. It is estimated the fitting work will come to the neighborhood of $50,000. Proudfoot & Bird are the Archs. It is the intention of the Board to meet about Jan. 1, at which time the plans and specifications for the marble wainscoting, plastering, interior tile work, fireproofing, stairways, etc., will be completed, and to then advertise for bids for the balance of the work necessary for the completion of the building. Architects expect to have the heating and plumbing far enough advanced by March 1 so the plaster and tile work can be started.

LAWRENCE, KAN.—Bids are asked by Commissioner of Indian Affairs, Department of the Interior, Washington, D. C., until 2 p. m., Jan. 5, to construct and complete a brick hospital, with plumbing, steam heat and electric wiring, for Haskell Institute, Lawrence. H. B. Peairs, Supt. Haskell Institute, Lawrence; A. C. Tonner, Act.-Comr.

ST. JOSEPH, MO.—Bids are asked by Eckel & Mann, Archs., Sixth and Edmond Sts., until Dec. 20 for erecting the auditorium building for the St. Joseph Auditorium Co. It will cost $150,000. F. J. Moss, Chn. Building Com.

MONTROSE, COLO.—Complete plans and specifications for construction of an office building for U. S. Reclamation Service are on file at New York office of Engineering News. Bids are asked until Dec. 31 by E. A. Hitchcock, Secy., Dept. Interior, Washington, D. C. Advertised in Engineering News, Dec. 1 to Dec. 22.

LEADVILLE, COLO.—Bids are asked until Dec. 27 for installing a conduit and electric wiring system in post-office here. James Knox Taylor, Supervising Arch., Washington, D. C.

SEATTLE, WASH.—At recent election it was voted to issue $175,000 of bonds for a city jail, and bonds to the amount of $250,000 for the extension of the present municipal lighting system. The proposition to issue bonds for the erection of a city hall was defeated.

MOSCOW, IDAHO.—Plans have been completed for the proposed buildings for the mining school at the University, by James F. McCarthy and Dr. A. S. Miller, of the mining department. They will be submitted to the Board Dec. 16th. Plans cover complete specifications for building and equipment of a complete metallurgical laboratory. Cost will be $35,000, to be appropriated by the legislature. James A. McLean, Pres. Univ.

WALKERVILLE, ONT.—The proposition to expend $50,000 for a new school will be submitted to the electors on Dec. 19.

EMERSON, MAN.—It is reported that four railroads, the Canadian Pacific, Canadian Northern, Great Northern, and Minneapolis, St. Paul and Sault Ste. Marie, will construct a union depot at the border where the four lines intersect.

MONTREAL, QUE.—C. W. Lindsay Co., Limited, has purchased a site on St. Catherine St., on which a 7-story building of steel and stone will be erected, with a clock tower, passenger and freight elevators and modern improvements generally. Cost, about $150,000.

WATER SUPPLY AND IRRIGATION.

YARMOUTH, ME.—Special town meeting was held Dec. 2 to consider means for procuring additional water supply.

ARLINGTON, MASS.—At recent town meeting it was voted, according to reports, to adopt a water meter system.

WILLIAMSTOWN, MASS.—Williamstown Water Co., C. G. Sanford, Supt., is reported to be considering construction of additional reservoir.

BUFFALO, N. Y.—Aldermanic Water Committee will hold hearing Dec. 15 on matter of a general installation of meters. Henry L. Lyon is Supt. W. Dept.

NEW YORK, N. Y.—John T. Oakley, Comr. Water Supply, Gas and Electricity, 13 Park Row, is taking bids until Dec. 21 for the following work: Furnishing, delivering and laying water mains in several streets in Boroughs of Manhattan and the Bronx; furnishing and delivering single and double nozzle New York case hydrants, lead-lined iron pipe, unions, elbows and couplings; hauling and laying water mains in various streets in Borough of Brooklyn; remodeling the Davidson boiler plant at Ridgewood engine house, Brooklyn Borough.

NEW YORK, N. Y.—J. B. McCord, 136 Liberty St., New York, submitted a bid of $24,081 for aqueduct work in connection with the Jerome Park Reservoir. In our issue of Dec. 8 we erroneously credited this bid to J. B. McCall, 13 Park Row, New York.

BLOOMFIELD, N. J.—Town Council has received communication from Orange Water Co., in which that company offers to either lease or sell its plant to the town, or to sell water to the town. Councilman W. F. Harrison is on Water Com.

CAMDEN, N. J.—Contract for installation of pneumatic air lift system at Morris Station has been let to Joseph L. Sweigard & Co., for $4,842.

MILLVILLE, N. J.—Supreme Court has decided that city has right to purchase local water-works.

GROVE CITY, PA.—A $12,000 bond issue has been voted to provide improvements for the pumping plant.

WASHINGTON, D. C.—In his annual report E. A. Hitchcock, Secretary of the Interior, states that 21 contracts, covering an expenditure of about $3,270,787, for the construction of irrigation works and for land reclamation, have already been let. He states also that $23,039,642 has been tentatively allotted for surveys and construction work for this service in various states and territories, and investigations as to projects in connection therewith are under way.

PORTSMOUTH, VA.—Advices from this city state that Portsmouth, Berkeley & Suffolk Water Co. has come under the control of the American Water-Works & Guaranty Co., of Pittsburg, Pa. It is stated that several improvements had been planned, including a new pumping station and a 5,000,000-gallon pump at the Godwin St. station, and the new owners will execute the plans of their predecessors, and add still other improvements. W. L. Davis is Gen. Mgr.

SHENANDOAH, VA.—A $20,000 bond issue for water-works has been sold by this city.

WASHINGTON, GA.—Bids are asked by this city until Jan. 5, for improvement of water supply. N. Wilson Davis, Harrisonburg, Va., is Engr.; J. R. Dyson, Mayor. (Advertised, Engineering News.)

FORT McPHERSON, GA.—We are informed that contract for sinking 10-in. deep well at this post, bids for which were opened Nov. 29, has been let to Perry Andrews, Atlanta, Ga., at $10 per foot. B. B. Buck is Constructing Q.-M., U. S. A.

PENSACOLA, FLA.—We are informed that Alderman Jas. McHugh will introduce ordinance at next regular meeting of Council, to grant franchise to new water-works company, which proposes to enter city. C. H. Bliss, Pensacola, is interested.

PERRY, FLA.—Town may bond for $15,000 for a water supply and fire department.

BESSEMER, ALA.—Woodward Iron Co., Woodward, has let contract for pipe from 4 to 16-in. diameter for its pipe line from Valley Creek to Woodward, to U. S. Cast Iron Pipe & Foundry Co.

OWENSBORO, KY.—Bids are asked by Mayor Martin Yewell until Jan. 2 for following items for a water-works system: One brick pumping station and chimney; two concrete reservoirs and suction well; three water-tube boilers; two feed-pumps and feed-water heater; two compound condensing pumping engines of 3,000,000 gallons capacity, with surface condensers; one Corliss cross compound air compressor of 2,300 cu. ft. of free air per minute capacity, with surface condenser, inter-cooler and receiver; one straight line air compressor of 1,500 cu. ft. of free air per minute capacity; steam exhaust, air suction and discharge piping of the station; 3,497 tons cast-iron pipe; 85 tons cast-iron specials; 262 valves, 4 in. to 20 in.; 262 cast-iron valve boxes; 224 fire hydrants; also pipe-laying as follows: 12,625 ft. 4 in., 48,388 ft. 6 in., 29,865 ft. 8 in., 9,285 ft. 10 in., 13,035 ft. 12 in., 6,595 ft. 14 in., 6,780 ft. 16 in., 2,165 ft. 20 in. John P. Force, 37 Dispatch-Butler Block, Columbus, O., Consult. Engr.

PRINCETON, KY.—Granbury Jackson, Consult. Engr., has been employed to make surveys, etc., and to prepare plans and specifications for water-works for this city, for which $35,000 of bonds have been voted. Bids will be asked about Feb. 1.

TOLEDO, O.—We are informed that preliminary surveys are now under way for the city filtration plant, but the general work has not yet reached the stage where any definite information can be given out. F. I. Consaul, Ch. Engr., Bd. Pub. Service, is official in charge.

FRANKFORT, IND.—Council has been considering granting franchise to new water-works company, which proposes to enter city.

PONTIAC, ILL.—Extension of mains to southern part of city has been petitioned for.

CHICAGO, ILL.—Bids are asked by Board of Education, 730 Tribune Bldg., until noon, Dec. 16, for the following school work: Davis school, Sacramento Ave. and 39th St., masonry, cut stone, terra-cotta, sheet metal, composition roofing, structural iron, iron stairs, window guards, carpentry, hardware, painting and finishing, glass and glazing, fireproofing, lathing and plastering, concrete floors, asphalt floors, steps, etc., tile floors, telephones and bells, window shades, steam heating, heat regulation, ventilation, plumbing and gas fitting, sewerage, electrical work. R. B. Williamson, act. arch. T. J. Waters, Ch. Engr., 714 Tribune Bldg. Estimated cost, $125,000.

MILWAUKEE, WIS.—Contract for 20,000,000-gallon pump for North Point pumping station has been let to Brown-Corliss Engine Co., Corliss, Wis., for $64,500.

CRANDON, WIS.—Bids are asked W. McInnis, Chn., Town Board, until Dec. 30 for cast-iron water pipe and special castings. G. C. Morgan, 160 Jackson Blvd., Chicago, Ill., Engr.; W. S. Hitchcock, Town Clk.

DULUTH, MINN.—City Engineer McGilvray has prepared plans for independent water system for Duluth Heights. Plans call for 60,000-gallon tank and about 6,200 ft. of pipe, and cost would be about $15,000.

EVELETH, MINN.—Council has disposed of $50,000 of water-works bonds.

TOBIAS, NEB.—Town votes to issue $8,000 of bonds for water-works.

DEADWOOD, S. DAK.—Bids are asked by Roy Sharpe, Cy. Audr., until Jan. 25 for construction of public water-works system, consisting of about 12 miles of gravity supply pipe, distributing reservoirs, etc. (Advertised, Engineering News.)

KANSAS CITY, MO.—Bids are asked by Board Public Works until Jan. 14 for construction, delivery and erection of self-contained, vertical, triple expansion crank and flywheel pumping engine of 20,000,000 gallons capacity. Everett Elliott, Secy. Bd. Pub. Wks. (Advertised, Engineering News.)

NEW MADRID, MO.—Bonds have been sold for water-works which this city proposes to have built. Plans and specifications are now being prepared, and bids will be asked and contract awarded, probably, in the early part of January. W. H. Copeland is Cy. Clk., and Owen Ford, 710 Security Bldg., St. Louis, Mo., is Des. Engr.

DALLAS, TEX.—Local reports state that it is probable that the water commissioners will consider the securing of a supply by artesian wells. R. R. Nelms is Secy. Water Dept.

UVALDE, TEX.—B. F. Wilson Farm & Irrigation Co. has been incorporated with $20,000 capital. B. F. Wilson and W. W. Collier are interested.

MUSKOGEE, IND. T.—Contract for laying mains and constructing settling basins, bids for which were received Nov. 23, is stated to have been let to W. W. Cook & Son, Junction City, Kan., for $40,995. Contract for construction of filters was let to Jackson Filter Co., St. Louis, Mo., for $5,750.

DENVER, COLO.—Following bids were received at U. S. Quartermaster's Office Nov. 21, for constructing water supply system at Fort Wingate: O'Brian & Rhodes, 403 Nassau Bldg., Denver, Colo., $12,000; Morrison Contracting & Mfg. Co., 231 Cooper Bldg., Denver, Colo. $12,450; D. J. Tersway, 611 Exchange Bldg., Denver, Colo., $11,600, Whitney Co., Albuquerque, N. Mex., $12,576.

COLFAX, WASH.—Council has awarded contract for wood pipe for water system to Washington Wood Pipe & Foundry Co., Tacoma, Wash., for about $24,000.

BEND, ORE.—We are informed that water for proposed new water-works of Bend Water, Light & Power Co. will be taken from Deschutes River by means of a flume and wooden pipe. The head will be 100 ft. Source of supply is three miles distant, and estimated cost of works is $10,000. No contracts had been let at time of writing, Dec. 1. A. L. Goodwille is interested. (Post Office, Deschutes.)

TILLAMOOK, ORE.—It is reported that surveys for new water system for this place are about completed. According to these intake will be located about 5¾ miles from city.

BISHOP, CAL.—The Town Trustees are taking bids for furnishing material and constructing water-works until Feb. 10, instead of Jan. 10 as was stated in our issue of Dec. 8.

GEORGETOWN, CAL.—The following have been elected directors of the recently incorporated Loon Lake Water & Power Co.: Stanley Forbes and W. H. Chickering, San Francisco, Cal., and C. M. Fitzgerald, Georgetown.

PASADENA, CAL.—We are informed that the question of municipal water-works is being considered, but matter has not yet reached the point where the details can be made public. Wm. H. Vedder is Mayor.

ORANGE, CAL.—Election may be held to vote on bond issue for water supply, electric light and city hall.

POMONA, CAL.—Pomona Ranch & Water Co. has been incorporated with $60,000 capital stock. J. B. Tuttle, Claremont, Cal., and C. E. Walker, Pomona, are interested.

RIVERSIDE, CAL.—E. F. Geetchell has filed notice of appropriation of 1,000 inches of water in the Andreas Canyon, for irrigation and power purposes.

SAN BERNARDINO, CAL.—City Engineer has made plans to extend the water service, and the surplus of $10,000 from the water bond issue will probably be used for that purpose.

WHITTIER, CAL.—We are informed that F. H. Olmstead, Consult. Engr., 616 Grant Bldg., Los Angeles, Cal., has submitted specifications for practically new municipal water-works system. The city attorney is now preparing papers to be submitted to the Board on Dec. 19, preparatory to calling an election to vote on a $110,000 bond issue. C. Trueblood is Pres. Board.

SAUSALITO, CAL.—Committee on installation of salt water system for fire protection is stated to have abandoned that project, and to have decided to install instead a fresh water plant, consisting of reservoirs capable of storing 300,000 gallons. Town Surveyor has estimated cost of system at $50,000. John R. Hanify and Geo. A. Story are on committee.

VENTURA, CAL.—Farmers of the Mound District have incorporated a company with $100,000 capital, and propose to secure water supply by sinking artesian wells. Large reservoir may be built also. H. H. Neel, E. P. Foster and E. E. Dunning are interested.

NAPA, CAL.—Contract for building new steel water tower on Pine St., for Napa City Water Co., has been let to Abner Doble Co., San Francisco, Cal., agents for the Springfield Boiler & Mfg. Co., Springfield, Ill. It will cost $11,750.

WINSLOW, ARIZ.—Atchison, Topeka & Santa Fe Ry. is to erect water-treating plant at this place, according to reports. E. J. Gibson, Winslow, is Div. Supt. A., T. & S. F. Ry.

YUMA, ARIZ.—Council has adopted ordinance providing for the extension of the water system of the Yuma Water & Light Co. A 6-in. pipe line will be laid.

SALT LAKE CITY, UTAH.—The canal companies are reported to have decided to install another pump at Utah Lake plant at a cost of $10,000. Geo. W. Snow, Cy. Engr., may be able to give information.

SUSSEX, N. B.—We are informed that nothing will probably be done toward installation of pumping station until January.

HANTSPORT, N. S.—We are informed that proposed new municipal water-works is to be a gravity system, with very high pressure. Tenders will not be asked until the Legislature of Nova Scotia, which meets in February, 1905, has passed act granting town leave to do so. It is proposed to start work by May 1. Supply is to be from Davison Lake, eight miles distant, and est. cost of system is $42,000. No regular engineer has been employed as yet. Geo. D. Comstock is Town Clk.

STRATFORD, ONT.—By-law to provide $50,000 water-works extension is to be voted on in January.

BRANTFORD, ONT.—It is stated that Water Commissioners will ask Council to issue debentures for $100,000 for water-works purposes.

RED DEER, N. W. T.—L. C. Fulmer, Secy.-Treas., is asking bids until Dec. 31 for purchase of $15,000 water-works bonds.

EDMONTON, N. W. T.—(See under Sewerage.)

BOISSEVAIN, MAN.—Council has passed by-law to raise $6,000 for increased fire protection purposes.

SEWERAGE.

PROVIDENCE, R. I.—Bids are asked until Dec. 16, it is reported, for furnishing and delivering on city wharves or on cars in city yard south of Henderson St. the following material for sewer work: 13,500 ft. of 12-in. straight pipes, 6,000 ft. of 6-in. straight pipes, 2-ft. lengths; 300 ft. of 15 × 6-in.; 15 ft. of 12 × 12-in.; 75 ft. of 12 × 8-in., and 1,800 ft. of 12 × 6-in. branch pipes; 850 pieces 6, 8 and 12-in. ⅛ bends, 50 pieces of 8-in. 1-16 bends; 400 pieces of 6-in. bevel connections, 24 ins. long; 130 flagstones, 5 ft. × 5 ft. × 4-in.; 130 inlet curbstones for catch-basins. Walter F. Slade, Comr. Dept. Pub. Wks.

ROCKVILLE, CONN.—Filtration committee will apply to Legislature for right to amend charter so that city may issue $75,000 of bonds for filtration beds and plant. Alderman Noble is Chn. of Com.

BUFFALO, N. Y.—Bids were opened recently for two sewers. William Franklin was low bidder for a sewer in Forest Ave., at $6,600; G. M. Moore, at $1,697, on a sewer for Rogers Ave.

NORTH TONAWANDA, N. Y.—Election may be held to vote upon question of appropriating $60,000 for extension of sewers. Board of Trade has decided to submit a resolution requesting that provision be made to submit the question of expending $60,000 for a municipal lighting plant.

MAMARONECK, N. Y.—Bids are asked until Jan. 4 for constructing about two miles of sewers. Daniel Warren, Pres.; Chas. W. Buckter, Village Clk. (Advertised, Engineering News.)

WHITE PLAINS, N. Y.—George L. Byrne, Engr., to Bronx Valley Sewer Commission, estimates cost of proposed Bronx River valley sewer at $1,793,790. This project was taken up and widely discussed last spring. The matter is now under consideration by President John E. Andrus, of Yonkers, Mayor Edward F. Brush, of Mount Vernon, and President John J. Brown, of White Plains. The proposed sewer, if constructed, will extend from the north line of the town of White Plains to or near the southerly line of the city of Yonkers, and thence along southerly line of Yonkers to the Hudson River. In making up the approximate estimate, concrete and reinforced concrete has been adopted for the sewer throughout its entire length. The bottom of the sewer is to be paved with granite blocks or vitrified brick where necessary, and the tunnel and shafts to be lined with concrete. The tunnel bottom will be paved with granite or vitrified brick. Approximate estimate of the cost of trunk sewer: 172,652 cu. yds. earth excavation, $120,500; 147,257 cu. yds. quick-and excavation, $191,400; 75,438 cu. yds. rock excavation, $218,000; eight spur lines under river, $11,000; 29,000 cu. yds. concrete, $217,500; 2,000 cu. yds. concrete foundation, $15,000; 9,842 sq. yds. granite or vitrified brick paving, $24,600; 43,800 lin. ft. tile under drain, $14,600; 120 manholes, $14,700; 1,140 M. timber left in trenches, $36,000; other items, $15,100; total, $888,200. For tunnel from Bronx Valley to Tibbits Brook and thence to Hudson River: 33,575 cu. yds. rock excavation, $302,100; 13,243 cu. yds. concrete, $119,200; 9,627 sq. yds. granite or vitrified brick paving, $28,900; 324 cu. yds. shaft excavation, $7,400; 101 cu. yds. shaft concrete, $1,000; 16,200 lin. ft. tile under drain, $5,400; coffer dam and outfall, $6,000; other items, $16,400; total, $486,400. Engineering, contingent and other expenses, 15%, $206,190; land in fee, $27,000; land in easement (tunnel), $20,000; land in easement (trunk sewer), $166,000; total cost, $1,793,790.

LOCKPORT, N. Y.—It is proposed to install a 6-in. sewer in Cooding St. of approximately 2,000 ft. length. H. D. McNeil is Cy. Clk.

ROCHESTER, N. Y.—Copeland St. sewer will cost about $4,000. Plan is now under consideration by Common Council.

PLAINFIELD, N. J.—Committee recommends that sewer 2,400 ft. long be continued from Upper Greenbrook dam to point near Norwood Ave. Estimated cost, $12,000.- W. L. Gioak is Chn. of Com.

NORTH BRADDOCK, PA.—C. A. Stewart, Boro. Engr., informs us that bids are asked until Dec. 31 for 2,450 ft. of 24-in. pipe sewer; 100 ft. of 15-in. pipe sewer; 192 ft. 12-in.; 858 ft. 8-in. and 4,350 ft. of 6-in. pipe sewer; 12 manholes and two lamp holes.

SAYRE, PA.—G. W. Heverly, Chn. Council Com., informs us that sewers probably will be built next spring or summer. Cost is now being considered. As previously noted, preliminary plans place cost at $120,000. N. F. Walker, Athens, Pa., is Engr.

STEUBENVILLE, O.—A 36-in. sewer will be built in North, Logan and Adams Sts. Wm. M. Trainer is Cy. Clk.

PAINESVILLE, O.—An ordinance has been passed by Council providing for $12,500 of bonds for the construction of storm sewers. This work, with still further additions to the same, will probably be undertaken in the spring. H. P. Cumings is Cy. Engr.

DAYTON, O.—William Hilt was awarded contract for Oak St. sewer, at $3,285. M. O. Herron & Co. have Wyoming St. contract, at $2,467.

NEW ALBANY, IND.—Bids will be received until Jan. 2 by E. B. Coolman, Cy. Engr., we are informed, for constructing about 26 miles of 8 to 36-in. pipe sewers. Estimated cost, $200,000. Eugene Brisly is Cy. Clk.

CHICAGO, ILL.—Plans for the sewage pumping station to be erected by the city on two tracts of ground, 118 × 119 ft. and 175 × 134 ft., respectively, on Lawrence Ave., east of Evanston Ave., have been completed by City Architect Charles F. Hermann. The building will be two stories, with exterior of pressed brick and Bedford stone. Cost, $100,000.

POCAHONTAS, IA.—Bids are asked by Board of Supervisors, Pocahontas County, until 2 p. m., Dec. 19, for constructing tile drains, and also both for furnishing the tile and constructing the drains complete. Approximate quantities: 6,100 ft. of 15-in. vitrified salt-glazed tile, 4,700 ft. of 14-in., 10,400 ft. of 12-in., 9,813 ft. of 10-in., 8,700 ft. of 8-in., 775 ft. of 6-in., 600 ft. of 5-in. Also 22,400 lin. ft. open channel, containing 74,666 cu. yds. Geo. W. Day, Audr. Plans and specifications and proposal blanks at office of J. G. Mellulch, C. E., 222 Unity Bldg., Bloomington, Ill.

MORRIS, MINN.—Bids are asked until Jan. 3 for constructing extension of sewer system at Morris Indian School. A. C. Tonner, Acting-Comr., Dept. of Interior, Washington, D. C.

ARKANSAS CITY, KAN.—A. G. Robson, Pittsburg, Kan., was awarded contract, at $15,233, for constructing sewers in Sewer District No. 2. Bids were opened Dec. 6. Itemized bids are given under Contract Prices.

ST. JOSEPH, MO.—Bids on the extension of Blacksnake sewer a distance of 1,918 ft., and on the extension of the Sycamore St. sewer a distance of 1,441 ft., were opened by Board of Public Works on Dec. 1, we are informed. Bids were as follows for concrete sewers: (a) Blacksnake, (b) Sycamore: H. C. Johnson Construction Co., Sioux City, Ia., (a) $80,512, (b) $12,625; McIntire & Teese, St. Louis, (a) $65,184, (b) $13,860; A. F. Woolley, Atlanta, Ga., (a) $77,906, (b) $10,861; Parker-Washington Co., Kansas City, Mo., (a) $58,611, (b) $14,638; Cobb & Scott, Savannah, Mo., (b) $56,783; Elzy & Dunn, Marshalltown, Ia., (b) $70,884; Ferro-Concrete Construction Co., Cincinnati, O. (reinforced concrete), (b) $83,568; Rackcliffe & Gibson, St. Joseph, (a) $11,452, (b) $47,783; Charles Rupert & Co., St. Joseph, (a) $15,295, (b) $50,208; J. H. Hartman, St. Joseph, (a) $14,310. Charles Mignery, of St. Joseph, was awarded the two contracts, at (a) $47,449 and (b) $11,160. The Blacksnake extension sewers will be oval shape, 180-in.; 24-ft. cut. Sycamore sewers will be circular, 72-in.; 12.5-ft. cut. Bids were advertised for in Engineering News.

TEXARKANA, ARK.—Bids are asked until Dec. 15 for building system of sewers in District No. 4. John E. Daugherty, Engr. Joe Fuqua is Chn. Com.

DENVER, COLO.—Gaffy & Keith have been awarded contract for West Colfax sanitary sewer. It will be seven miles long. Cost, about $38,000.

BELLINGHAM, WASH.—City Engineer Gerhard advocates the construction of brick septic tanks, at cost of $2,000 to $2,500. City Council is considering the matter.

LOS ANGELES, CAL.—Bids are asked by H. J. Lelande, Cy. Clk., until 11 a. m., Dec. 19, for the construction of proposed storm sewer, from a point on Sixth St. west of Alameda St., along Sixth St., Mateo St. and Seventh St. to the Los Angeles River. Sizes and approximate lengths of the sewer as follows: 4,058 lin. ft. of circular concrete sewer, diam. 8 ft. 1 in.; eight manholes; 4 class A catch-basins; five No. 2 catch-basins; 4-ft. 30-in. vitrified pipe (Alameda St. lateral); 104 ft. 16-in. vitrified pipe (catch-basin); 176 ft. 14-in. vitrified pipe (catch-basin). Prints of the plans, profile and detail drawings, forms of proposal, contract and bonds and copies of the specifications will be delivered to prospective bidders upon receipt by the city engineer of $5.

BISHOP, CAL.—Bids will be received until Feb. 10 for constructing a sewer system for this town instead of Jan. 10, as announced in issue of Dec. 8.

LOS ANGELES, CAL.—Proposals for the construction of the Sunset storm drain were received by Council as follows: R. C. Lowell, $5,339, and Martin & Hickcox, $7,237. Bids were referred to Sewer Committee.

Bids will be received by Council for construction of main storm drain in Seventh St., Mateo and Sixth Sts. Estimated cost is $75,000.

BOISE CITY, IDAHO.—James Kennedy, of Fargo, N. Dak., has been awarded contract for sewerage, we are informed. There will be installed 7,000 ft. of 42 and 36-in. and 30,000 ft. of 8 to 30-in. sewers. Estimated cost, $158,000. Godfrey Sperling is Cy. Engr.

ST. CATHARINES, ONT.—A by-law to raise $10,000 for sewerage and drainage purposes will be submitted to the ratepayers at the municipal elections.

EDMONTON, N. W. T.—Bids are asked until noon, Dec. 22, for construction of West End trunk sewer and water mains. Work includes excavation, pipelaying and backfilling on 13,200 lin. ft. sewer and water mains; building manholes, valve chambers and catch-basins; setting hydrants. Material required includes cast-iron pipe and specials, 4-in. to 12-in. diameter; hydrants, 8-ft. trench, 2-way and steamer gate valves, 4-in. to 12-in.; brass goods, service boxes, galvanized and lead pipe; vitrified pipe from 6 to 24-in. diameter with bends and junctions. Prices for material to be f. o. b. Edmonton in carload lots, delivered in city yard not later than April 1, 1905. A. J. McLean, Cy. Engr.

GARBAGE DISPOSAL—STREET CLEANING

WASHINGTON, D. C.—Isthmian Canal Commission is taking bids until Jan. 6 for furnishing supplies, among which are garbage cans.

DES MOINES, IA.—City has entered into contract with Smith Lee & Packing Co. for disposal of all dead animals left on the streets, and it is stated that the company will at once erect a reduction plant in Des Moines.

ST. LOUIS, MO.—Board Public Improvements, Hiram Phillips, Pres., has been considering ordinances providing for erection of incinerating plants. The ordinances were to come before Council Dec. 9 and they provide for two 150-ton plants for garbage disposal and a 100-ton reduction plant. Total estimated cost is about $150,000.

SEATTLE, WASH.—The sum of $19,000 is included in next year's tax levy for placing collection and disposal of garbage under municipal control.

WESTMOUNT, QUE.—Ratepayers have decided in favor of installing municipal incineration plant.

LONDON, ONT.—Ratepayers vote Jan. 2 on by-law to provide $15,000 for garbage disposal plants.

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STREETS AND ROADS.

PLYMOUTH, MASS.—State Highway Commissioners have decided to build 4,000 ft. macadam road here this year.

HOLYOKE, MASS.—Board of Aldermen passed an order for the widening and relocating of Northampton St. James L. Tighe is Cy. Engr.

WORCESTER, MASS.—A petition has been presented to City Council for the extension of Holmes St. Frederick A. McClure is Cy. Engr.

NEW YORK, N. Y.—Bids are asked by Maurice Featherson, Comr. of Docks, until Dec. 20 for furnishing, laying and repairing asphalt pavement along East and North Rivers.

CANANDAIGUA, N. Y.—Board of Supervisors has voted for 47 miles of state road construction in the county. Est. cost, $400,000.

BROOKLYN, N. Y.—Bids are asked by Matthew J. Lottheion, Pres. Boro. of Brooklyn, until Dec. 28 for regulating, grading, curbing and laying sidewalks on 39th St. and Avenue D.

NEW YORK, N. Y.—Bids are asked by Louis F. Haffen, Pres. Boro. of Bronx, until Dec. 23 for regulating and grading, setting curbstones, flagging sidewalks, and building approaches in Wendover and Vyse Aves. and East 185th St.

VAILSBURGH, N. J.—Bids were opened by Mayor and Council Dec. 7 for improving several streets. Frank W. Synder bid $13,268 for grading; Jacob Clark Stone Co., $6,662 for grading and Essex County Construction Co., $14,247 for walks. Eugene A. McMurray, 22 Clinton St., Newark, is Ch. Engr.

McKEES ROCKS, PA.—Borough Council has appointed a committee for the purpose of agitating the project of constructing a road between McKees Rocks and Sharaden. S. L. Gardner is Boro. Engr.

PITTSBURG, PA.—East Carson St. will be widened. E. M. Bigelow is Dir. Pub. Wks.

POTTSTOWN, PA.—(See under Electric Railways.)

NORFOLK, VA.—The Southern Contracting Co. was the only bidder for the paving of Granby St. boulevard with asphalt. The contract was awarded to that company at their bid of $34,000. W. T. Brooke is Cy. Engr.

NEWARK, O.—The resolution to pave Woods Ave. has passed its second reading and a resolution has been introduced to pave Stanbarry St.

DAYTON, O.—It is reported that James E. Conley was awarded the contract for paving Wyoming St., at his bid of $21,002.

CINCINNATI, O.—Resolutions to pave and curb Cahoon St. with brick and to pave Race St. with asphalt have passed the Council. Geo. F. Holmes is Clk. Bd. Pub. Service.

IRONTON, O.—We are informed that 30,000 sq. yds. brick paving on Third St. will probably be let in March or April. Cost, $75,000. Address, City Engineer.

BOWLING GREEN, O.—Bids are asked by County Commissioners until Dec. 26 for $50,000 highway improvement bonds; also Jan. 2 for $50,000 bonds for similar work. B. C. Harding, County Audr.

PORTSMOUTH, O.—Street assessment ordinances amounting to $25,000 for the improvement of several streets have passed the Council.

SPRINGFIELD, O.—W. H. Selverling, Cy. Engr., is preparing estimates for macadamizing Carr St. and curbing and guttering Threher St. and Woodbine Ave.

TOLEDO, O.—It is reported that bids will be received Dec. 23 by Harry S. Jones, Secy. Bd. Pub. Service, until Dec. 23 for paving Summitt St. with Medina stone block.

FORT WAYNE, IND.—We are informed that all bids were rejected for paving Broadway.

BEDFORD, IND.—Dixon & Hunt, Kokomo, Ind., were awarded contracts by County Commissioners to construct roads in Marion, Spice Valley and Indian Creek Townships for $19,962, $9,304 and $7,215, respectively. A. B. Hall, Mitchell, Ind., received the contract for roads in Bono Township, at $7,575. Bids were opened Dec. 5. Walter G. Owens is County Audr.

LANSING, MICH.—Walnut and Ottawa Sts. will probably be paved next spring. H. A. Collar is Cy. Engr.

GRAND RAPIDS, MICH.—Council will be asked at its next meeting to improve Scribner St.

MUSKEGON HEIGHTS, MICH.—Council rejected bids for improving Peck St. New bids will be received until Dec. 19.

BURLINGTON, IA.—Bids are asked until Dec. 19 for paving with brick on concrete foundation a portion of alley No. 5, also curbing with artificial stone and paving with brick a portion of Fourth St. Wm. Steyh, Cy. Engr.

DULUTH, MINN.—Steps will be taken by Council to let contract for paving of several streets soon.

SUPERIOR, MINN.—Broadway will be paved in the spring with asphalt.

ST. PAUL, MINN.—The following bids were received Dec. 6 for reflooring Third St. bridge: A. W. Van Hoffer & Co., Minneapolis, $10,989; W. J. Prendergast, $11,101; James Forestal Co., $11,668; Fielding & Shepley, $11,863; Newman & Hoy, $12,605.

TOPEKA, KAN.—R. H. Gaw, County Audr., writes us that the Board County Commissioners has taken some steps relative to the construction of two or three miles of macadam road, but no contracts have been let and it is the intention of Board to build road if proceedings are completed. The present plan does not contemplate the letting of a contract for the completed road.

TOPEKA, KAN.—Jas. F. McCabe, Cy. Engr., has completed the estimates on paving granted for next year. The amount is $37,757.

OMAHA, NEB.—Bids are asked by Board Public Works until Jan. 13 for an asphalt repair plant. Wm. Coburn, Secy.

KANSAS CITY, MO.—A petition for a new 80-ft. boulevard in southeast part of city has been presented to Park Board.

NEVADA, MO.—Bids are asked by City Council until Dec. 20, 7 p. m., for building brick and concrete sidewalks. S. L. Higgins, Cy. Clk.

GALVESTON, TEX.—The following bids were received by Board City Commissioners for paving of (a) Church, (b) Post-office and (c) 24th Sts.: Brown & Dabney, (a) $9,768, (b) $11,546, (c) $5,344; W. I. Heffron, (a) $9,027, (b) $10,780, (c) $4,969; Nichols & Heeney, (a) $9,320, (b) $10,930, c) $5,091.

REDLANDS, CAL.—Fleming & White, City, have secured a $10,000 contract for sidewalks, curbs and gutters at Oceanside.

MANUFACTURING PLANTS.

MEDWAY, MASS.—The factory of Madden & Curtis Shoe Co. was destroyed by fire. Loss, $35,000.

SPRINGFIELD, MASS.—James L. Parsons, Arch., 1420 New York Ave., Washington, D. C., is preparing plans for a three-story bakery for A. Dexter.

PHILADELPHIA, PA.—Geo. Kessler, Drexel Bldg., has been awarded the contract for a three-story factory at Tenth and Westmoreland Sts., for J. P. Mathieu & Co.

PHILADELPHIA, PA.—The Wissahickon Laundry Co., Manayunk, has invited bids for a two-story laundry and boiler house, at 37th and Hagen Sts.

FORT WASHINGTON, PA.—The Philadelphia Iron Works Co., 18th and Buttonwood Sts., Philadelphia, will remove their plant to this place, and are having plans prepared for a large plant.

WASHINGTON, PA.—It is reported that the M. S. Gray Distilling Co., M. S. Gray, Gen. Mgr., Masontown, Pa., will erect a distillery here in the near future.

BRADFORD, PA.—Brick plant of P. B. Broughton Co., City, was destroyed by fire. Est. loss, $35,000. Will probably rebuild at once.

EAST MILLSBORO, PA.—The Hustead, Seamans Coal & Coke Co., care of A. M. Hustead, City, is making extensive improvements to works and are in the market for an electric plant.

LOCK HAVEN, PA.—Karthaus Fire Brick Co. are in the market for power equipment and brick machinery. Chas. E. Ball, City, is Engr.

VANDERGRIFT, PA.—American Tin Plate Co. will erect open hearth furnace addition to plant here. General offices, Carnegie Bldg., Pittsburg.

NORTH BESSEMER, PA.—U. S. Steel Co. will erect slag cement plant here. Work of construction will probably be started in the spring. B. H. Taylor, 1000 Carnegie Bldg., Pittsburg, is Engr.

PHILADELPHIA, PA.—Charles P. Biggin Co., 1820 Harlan St., City, writes us that they are about to erect a 2-story brick addition to their plant, 35 × 100 ft. A. Raymond Raff, contractor; Stearns & Castor, architects. Upon completion the company will be in the market for new machinery.

RALEIGH, N. C.—(See Electric Railways.)

WARRENTON, VA.—James Legg expects to erect a saw mill and will want machinery for same.

MANCHESTER, VA.—John Blair, Harrison Blair, John Farland, Percy Bosher and Geo. O. Reuhl, of Baltimore, Md., have organized a $50,000 company to erect a glass factory.

PARKERSBURG, W. VA.—Parkersburg Preserving & Pickling Co., Wm. Boate, Pres., 210 Fourth Ave., Pittsburg, Pa., will erect preserving and pickling plant here. Cost, $65,000. S. E. Green, 400 Market St., Pittsburg, is Arch. Plans are in progress.

PARKERSBURG, W. VA.—The Colonial Plate Glass Co., F. S. Brockett, Secy., 710 Union Trust Bldg., City, are ready for bids on erection of plate glass plant here. Brick and steel, one story, five pot plant, 90 × 300 ft., 60 × 300 ft. and 40 × 200 ft. Contracts for power plant equipment have not been placed.

DURHAM, N. C.—An ice factory will probably be established here by Raleigh-Durham Passenger & Power Co., of Raleigh. Incorporators: W. J. Nelms, T. B. Fuller, B. S. Jerman and others.

CHARLOTTE, N. C.—The Southern Pants Co. will increase its capital from $25,000 to $100,000. Henry M. McAden is Pres.

SAVANNAH, GA.—A two-story brick cold storage plant will be erected by the Knickerbocker Ice Co. W. W. Witcover is Arch.

REYNOLDS, GA.—L. M. Lucas is in the market for a saw mill.

JACKSONVILLE, FLA.—A $20,000 company has been organized here to manufacture brick. Incorporators: M. C. Drew, Abraham West and others.

COLUMBIA, ALA.—A. A. Jones will erect a new building for a machine shop.

HUNTSVILLE, ALA.—A paper mill will probably be located here to manufacture paper from cotton seed hulls. Address Secretary Chamber of Commerce for information.

BESSEMER, ALA.—It is reported that the Bessemer Steel Pipe Co. will soon enlarge their plant. Site has been purchased. Company expect to spend about $40,000 in improving their plant.

SELMA, ALA.—The International Cottonseed Oil Co.'s plant was partly destroyed by fire. Loss, $100,000.

MAGEE, MISS.—An oil mill and fertilizer factory is to be erected here. W. C. Ellis is Pres.

WEATHERSBY, MISS.—Boswell Bros. & Gatlin will add shingle-making machinery to their saw mill.

HOUSTON, MISS.—Machinery building of International Handle Factory was destroyed by fire. Loss, $100,000.

ST. BERNARD, LA.—C. M. Walter and E. G. Steinke, of Milwaukee, Wis., will establish a tannery here. Capital, $200,000.

WEST POINT, MISS.—A steam laundry will be located here at a cost of $30,000. Address Secretary Industrial League for information.

TULLAHOMA, TENN.—S. S. Blackman and associates will establish a $5,000 canning factory here.

NASHVILLE, TENN.—E. W. Fowler, of the firm of Fowler & Lawler, Little Rock, Ark., will erect a $10,000 plant here for the manufacture of rugs. It will be known as the Nashville Carpet Cleaning & Rug Mfg. Co.

NASHVILLE, TENN.—Harry A. Weil has purchased the Lincks Laundry, which he will enlarge and improve.

VANCEBURG, KY.—Sim Hodge contemplates erecting a plant here for making tobacco hogsheads, staves, heading, etc.

LOUISVILLE, KY.—The United States Laundry Co. has filed an amendment increasing its capital from $15,000 to $20,000.

YOUNGSTOWN, O.—The plant of Krehl Tannery Co., Girard, O., recently destroyed by fire will be rebuilt at once. Cost, $500,000.

GREENFIELD, IND.—A company has been organized to erect a factory in this city to manufacture "Fire Kindlers." Capital, $15,000. Address, City Clerk.

BOONEVILLE, IND.—A company with a capital stock of $10,000 is being organized here to erect a canning factory. Address City Clerk.

MISHAWAKA, IND.—The Simplex Motor Car Co. has incorporated with a capital of $100,000. The company proposes to erect a manufacturing plant here. Ed. J. Gulick, R. A. Kam and H. L. Bell, incorporators.

INDIANA HARBOR, IND.—The Lake County Lumber Co. has incorporated for the purpose of establishing a plant here to manufacture lumber and lumber products. R. H. Gillespie, B. L. Anderson and S. O. Knudson, incorporators.

DETROIT, MICH.—Detroit capitalists have organized the Seamless Steel Bathtub Co., with $600,000 cap. stock. Sites are being considered for a factory building. Eugene H. Sloman is the inventor of the tub.

CHICAGO, ILL.—The National Enameling & Stamping Co. was given a permit for the erection of a six-story, 118 × 104 ft. warehouse, to be erected at 27-37 Kinzie St. Cost, $75,000.

CHICAGO, ILL.—Walker & Ehrman will build a three-story factory building, 231 × 52 ft., at 1741-61 Fillmore St. Cost, $50,000.

MADISON, WIS.—Theodore Hapke, of Janesville, has incorporated the Dane County Beet Sugar Co., which is to erect a factory near Madison. Capital is $700,000, and the factory will have a capacity of 800 tons of beets a day. Work will begin at once.

SEGUIN, TEX.—The Hirsh Compress Co. capital stock $25,000, has been organized to store and compress cotton. Incorporators: L. N. Hirsh, Wm. Suchart, P. S. Sowell, J. M. Abbott, Sr., of Seguin, and Chas. D. Hill, of Beaumont.

AUSTIN, TEX.—The Capital Compress Co. has filed an amendment to its charter, increasing its capital from $100,000 to $125,000, for the purpose of erecting a new compress.

ALVARADO, TEX.—The Farmers' Custom Gin, of Alvarado, has been chartered with a capital of $10,000. Purpose, operation of mills and gin. Incorporators: Cal E. Kerr, J. J. Hamilton and S. M. Kerr, of Corsicana.

FORT WORTH, TEX.—The Fort Worth Iron & Steel Mfg. Co. has completed plans for the erection of a rolling mill. Bids will be advertised for at once.

GUTHRIE, OKLA.—The Owasso Development Co., with main office in Guthrie and a branch office at Owasso, I. T., has been chartered. Capital, $10,000. Incorporators: Jos. T. Barnes and U. P. Wardship, of Owasso, and G. V. Pattison, of Guthrie.

SAN DIEGO, CAL.—The Kessler Machine & Supply Co. has been incorporated with a capital of $25,000. They have secured a lot on Sixth St. on which will be erected a galvanized metal building 50 × 100 ft., fitted up for an office and machine shop. The portion used for shop will have concrete floors and be equipped with latest and best tools and machines.

CHINO, CAL.—Theo. F. White, City, who has invented several road making machines, is about to establish a factory in Los Angeles. J. O. Vickers will be president, and C. W. Gates, Secy. Huntington Beach Co., will be associated with Mr. White. The company will be known as the White Road Machine Co., with capital $150,000.

SAN FRANCISCO, CAL.—Meese & Gottfried Co. will build a factory at 19th and Harrison Sts.

PETALUMA, CAL.—The National Ice Co. of San Francisco, is to build large ice plant and cold storage warehouse in this city.

WATSONVILLE, CAL.—F. D. Purr is reported as stating that $25,000 has already been subscribed toward the erection of the proposed pickle and preserve factory.

LOS ANGELES, CAL.—The Simons Brick Co. will put in a plant for the manufacture of brick, tile and clay shingles at a cost of $150,000 on property one mile east of Santa Monica.

TORONTO, ONT.—The Diston Works, of Philadelphia, Pa., has completed arrangements for the erection of a factory in Toronto, to cost $150,000.

MISCELLANEOUS CONTRACTS.

GRAIN ELEVATOR.—Cartwright, Man.—Ogilvie Milling Co., according to reports, will erect elevator here next summer.

WHARF.—Martinez, Cal.—Selby Smelting & Lead Co., of Selby, Cal., has been granted franchises for two wharves at Selby.

DITCH.—Fort Dodge, Ia.—Bids are stated to be asked until Jan. 1 for constructing 100 miles of ditch. J. F. Ford, County Audr.

DITCH WORK.—Frankfort, Ind.—Contract for cutting Brush Creek ditch in Jackson Township has been let to Chas. A. Donoho, Frankfort, for $2,703.

RETAINING WALL.—Fort Riley, Kan.—Contract for retaining wall at this fort is stated to have been let to J. J. Olsen & Son, Redwing, Minn., for $6,816.

TIMBER.—Washington, D. C.—Bids are asked by Isthmian Canal Commission, J. G. Walker, Chn., until Jan. 7 for furnishing red cypress or red wood timber.

FIRE DEPARTMENT.—Prescott, Ariz.—It is stated that $10,000 will be expended for equipment and maintenance of local fire department. A. A. Johns is Chief.

DIKES.—Topeka, Kan.—Bids are asked by County Commissioners until Dec. 19 for building dikes for protection of North Topeka and farming land north of Soldier Creek.

DITCH STRAIGHTENING.—Wapakoneta, O.—County Commissioners gave a hearing Dec. 13 on petition for straightening, deepening and widening Muchinippi Ditch.

ELEVATOR.—Los Angeles, Cal.—D. Donegan has applied for a permit to construct an elevator in the street for purpose of carrying passengers from Bunker Hill to Broadway.

NATATORIUM.—San Bernardino, Cal.—Local capitalists are stated to have secured a site on East Third St. on which to erect a public natatorium and private bathing establishment.

GARBAGE CANS, SHOVELS, ETC.—Washington, D. C.—Bids are asked by Isthmian Canal Commission, J. G. Walker, Chn., until Jan. 6 for furnishing garbage cans, shovels, picks and hardware supplies.

SHAFT.—Detroit, Mich.—Wallace Construction Co., Duluth, Minn., Geo. W. Wallace, Mgr., is reported to have secured a contract to sink a shaft, at a cost of $200,000, into salt deposits underlying this city.

FIRE HOSE.—Brooklyn, N. Y.—Bids are asked by Martin W. Littleton, Pres. Brooklyn Borough, until 11 a. m., Dec. 23, for furnishing and delivering 2,500 ft. 2½-in. 4-ply fire hose, for use by Bureau of Sewers.

WHARF EXTENSION.—Astoria, Ore.—Oregon R. R. & Navigation Co. has prepared plans for a 150-ft. extension of its wharf to the harbor line and for widening it. W. H. Kennedy, Portland, Ore., is Ch. Engr.

DREDGING.—Norfolk, Va.—Specifications for dredging in Appomattox River, Va., are on file at office of Engineering News, 220 Broadway, New York. Bids are asked until Dec. 30, as advertised in Engineering News.

DITCH.—Harvel, Ill.—Bids are asked by Drainage Commission, J. F. Thunhorst, until Dec. 27 for clearing out and re-excavating open ditches, requiring removal of about 39,873 cu. yds. earth. J. W. Dappert, Taylorville, Ill., Engr.

PIER.—Bangor, Me.—It is reported here that the Eastern Steamship Co. will build a large steel pier and hotel at Bar Harbor, on the shore of the Alpheum Hardy property.

DITCH.—Goshen, Ind.—Bids are asked by O. H. Sweitzer, County Audr., until 2 p. m., Dec. 17, for construction of New Berlin Court ditch, requiring 63,577 cu. yds. excavation.

PIER.—Sydney, N. S.—Cape Breton Ry. Co., Ltd., has purchased water front properties, and will, it is stated, erect shipping pier here. Jay Donner, St. Peters, N. S., is Ch. Engr.

TELEPHONE COMPANY.—Ozark, Ark.—The Western Telephone Co., of Ozark, has been chartered with a capital stock of $100,000. J. F. Mossey is Pres. and John E. Bryan, Secy.

DRAINS.—Clinton, Ill.—Bids are asked by Friend's Creek Special Drainage Commission until Dec. 31 for construction of drains. J. G. Mellinish, 222 Unity Bldg., Bloomington, Ill., Engr.; P. M. Smallwood, Secy.

CREEK IMPROVEMENTS.—Syracuse, N. Y.—Emil Kuichling, New York, has been selected by Onondaga Creek Commission as expert hydraulic engineer to supervise the plans for the improvement of Onondaga Creek.

OIL PIPE LINE.—Coalinga, Cal.—Producers Union Pipe Line Co. has been incorporated to connect this place with the coast by an 8-in. pipe line. Dr. Alexander Dellos, Bayonne, N. J., is reported in charge of preliminary work.

FOUNTAIN.—New York, N. Y.—Bids are asked by Park Board, John J. Pallas, Pres., until Dec. 22 for furnishing all the labor and material for casting and completely erecting a bronze fountain in the botanical garden in Bronx Park.

DRAINAGE DITCH.—Sioux City, Ia.—County Supervisors have been considering construction of Sand Hill Lake ditch. Projected ditch, according to report of L. F. Wakefield, Engr., is to be 19½ miles long and will cost about $110,250.

MAIL CONVEYING SYSTEM.—Chicago, Ill.—The time for opening bids for a mail conveying system in U. S. Post Office, Court House, etc., building at Chicago, has been extended from Dec. 19 to Jan. 4, as is stated in our advertising columns.

PIER WORK.—New York, N. Y.—Bids are asked by Maurice Featherson, Dock Comr., Pier A, Battery Pl., until 2 p. m., Dec. 16, for material and labor required for preparing for and extending and repairing pier at foot of East 36th St., East River.

TUNNEL.—Los Angeles, Cal.—Board Public Works is stated to have recommended construction of tunnel in North Hill St., extending from First St. north to Temple St. According to a former estimate cost would be about $75,000. Harry F. Stafford is Cy. Engr.

PIERS.—Baltimore, Md.—Plans and specifications are reported under way for the construction of new piers to replace those destroyed by the fire, and it is expected that plans will be ready in season to call for bids early next year. N. H. Hutton is Engr., Harbor Board.

TUNNEL.—San Francisco, Cal.—Engineers in the employ of the Southern Pacific Ry. have been making surveys and have reported that a tunnel could be constructed through the Sierra Madre Range, thus avoiding a crossing of the mountains with its 40 miles of snow sheds.

DRY DOCK.—New York, N. Y.—The Navy Department, according to reports, has at last decided to readvertise for bids for the construction of a dry dock at the New York Navy Yard. Bids for this work were opened Sept. 3. Geo. B. Spearin, of New York, being the lowest bidder.

MARINE RAILWAY.—Alameda, Cal.—United Engineering Works have let contract to H. I. Crandall & Sons, Boston, for construction and installation of marine railway at their shipyard at Alameda. The dock will be capable of handling a vessel 350 ft. long and of 50 ft. beam.

DOCK REPAIRS.—Conneaut, O.—Local reports state that the P. & C. Dock Co. will tear out a section of the north end of its clamshell dock and will rebuild it anew with concrete. If this material proves satisfactory it is said that other docks will be rebuilt eventually with same material.

SUBWAYS.—Chicago, Ill.—George W. Jackson, Engr., has submitted to Council Committee on Transportation detailed plans for proposed system of subways for downtown surface traction lines. In the new plans six underground loops are included, their estimated cost being set at $18,500,000.

WHARF EXTENSION.—San Francisco, Cal.—Chief Engineer, Harbor Commissioners, has been directed to prepare plans and specifications for extending Howard St. wharf No. 1 for 150 ft. Jackson St. wharf for 200 ft., and Vallejo St. wharf for 200 ft., and for widening latter wharf at north side 100 ft.

DREDGING AND DOCKING.—Chicago, Ill.—Bids are asked by Board of Trustees, Sanitary District of Chicago, until Feb. 5 for dredging Main Chicago River and South Branch of Chicago River, and for docking portion of river front. Zina R. Carter, Pres., Bd. Trus.; S. D. Griffin, Clk. (Advertised, Engineering News.)

PIPE GALLERIES.—New York, N. Y.—John T. Oakley, Comr. Water Supply, Gas and Electricity, 13 Park Row, New York, has applied for appropriation of $470,000 for the construction of pipe galleries along the lower Broadway and Fulton St. extensions of the Subway. Board of Estimate has decided to hold up appropriation until Jan. 1.

PIER, GROYNES.—Toronto, Ont.—City Engineer Rust has reported that a cement pier could be constructed on south shore of the Island at Manitou Road at a cost of $15,000 to $20,000. He likewise recommends that a subsidiary system of groynes of brush and heavy stone be constructed at a cost of between $3,000 and $4,000 each.

DRAINAGE WORK.—Council Bluffs, Ia.—Supervisors of Harrison and Pottawattamie Counties will hold a meeting Dec. 22 to take action on establishing joint drainage district. Proposed improvements include construction of Allen Creek ditch, Willow Creek ditch, and a cut-off in the Boyer River. Thomas Tostevin, Council Bluffs, Ia., is Engr.

DYNAMITE, EXPLOSIVES.—Washington, D. C.—Bids are asked by Isthmian Canal Commission, J. G. Walker, Chn., until Jan. 16 for furnishing 10,000 cases of nitroglycerine dynamite, 30 double tape fuse, 5 caps, quintuple strength, 40 platinum fuses, 50 kegs of saltpeter "A," blasting powder, and 2 U. S. Standard blasting machines No. 3. (Advertised, Engineering News.)

TILE DRAIN.—Pocahontas, Ia.—Bids are asked by County Supervisors until Dec. 19, for furnishing material and constructing tile drains, requiring 41,088 ft. 5, 6, 8, 10, 12, 14 and 15-in. vitrified salt-glazed tile, and 22,400 lin. ft. open channel, containing 74,666 cu. yds. Jas. G. Mellnish, 222 Unity Bldg., Bloomington, Ill., is Engr.

WAGONS, CONCRETE MIXER, ETC.—Brooklyn, N. Y.—Bids are asked by Martin W. Littleton, Pres., Brooklyn Borough, until Dec. 28 for furnishing and delivering six sprinkling wagons, with all accessories, one portable concrete mixer with all accessories, two road machines, with all accessories, one steam road roller and one macadam road scarifier, with all accessories.

SHIP CANAL.—Pittsburg, Pa.—Advices from this city state that steps will be taken soon for the formation of a company to build proposed Lake Erie and Ohio River ship canal, under the existing charters granted by the states of Pennsylvania and Ohio. Estimated cost of the canal is $33,000,000, and it is stated that John E. Shaw, who has been championing the project, has been assured of financial support.

UNLOADING MACHINES, ETC.—Washington, D. C.—Isthmian Canal Commission has recently awarded following contracts: One 60-ton and two 25-ton unloading machines. Lindgerwood Manufacturing Co., New York, $14,108; three earth spreaders, O. B. Jordan, Harvey, Ill., $3,833; laundry plant, A. T. Hagen & Co., Rochester, N. Y., $6,476.

COG RAILROAD.—Fort Thomas, Ky.—It is proposed to construct a cog railroad from Bent to Fort Thomas, citizens of latter place having raised $20,000 for right of way. Road will be about three miles long, with grade of 158 ft. to the mile, and cost is set at about $60,000 per mile. Chesapeake & Ohio R. R. is reported interested. L. J. Houston, Ashland, Ky., is Division Engr.

HARBOR IMPROVEMENTS.—Tacoma, Wash.—L. R. Manning, representing J. T. Woodward, Pres. Hanover National Bank of New York City, has secured a large block of harbor area. It is proposed, according to reports, to erect on this land four warehouses, two slips and ample track facilities, and specifications for these improvements have been presented to the State Board of Land Commissioners.

ELEVATOR.—Washington, D. C.—Following bids were received at office Supervising Architect Dec. 8 for (1) installation of two electric elevators in U. S. Court House and Post Office, Salt Lake City, Utah, and for (2) passenger elevator at U. S. Post Office, Birmingham, Ala. (separate contracts): Marine Engine & Machine Co., New York, (1) $11,520, (2) $5,250; Otis Elevator Co., New York, (1) $9,415, (2) $4,650.

BULKHEAD, ETC.—Buffalo, N. Y.—Bids were received by the Engineer of 10th Light-House District Dec. 1, as follows, for building a pile and timber bulkhead and excavating step, etc., at the Buffalo, N. Y., Light-House Depot: A. F. Chapman & Co., Buffalo, N. Y., $42,369 (accepted); Buffalo Dredging Co., Buffalo, N. Y., $49,276; Hunkin Bros. Construction Co., Cleveland, O., $52,076; Mosier & Summers, Buffalo, N. Y., $69,132.

FIRE ALARM TELEGRAPH SYSTEM, ETC.—New York, N. Y.—Bids are asked by Nicholas J. Hayes, Fire Comr., 157 East 67th St., until Dec. 20 for material and labor for general repairs and extending and improving fire alarm telegraph system in Manhattan Borough. Bids are also asked until Dec. 20 for furnishing and delivering 20 fire alarm signal boxes; also for supplies for repair shops, and for iron and steel for repair shops.

STEAMSHIPS.—New York, N. Y.—Horace See, 1 Broadway, New York, is preparing plans for new steamships which the Panama R. R. Co., of 12 State St., New York, proposes to have built. Bids for the construction of the boats will be received in about a month. According to press reports it is proposed to construct at least two and probably three steamers of 4,000 to 5,000 tons capacity, with accommodations for about 100 first-class passengers.

GOVERNMENT WORK.—Washington, D. C.—The annual report of M. T. Endicott, Ch. Bureau Yards and Docks, contains recommendations and estimates for the fiscal year 1905-6 for that branch of the government service, as follows: Public works of improvements, $6,064,630; repairs and preservation, $600,000; maintenance, yards and docks, $790,000; contingent, yards and docks, $40,000; civil establishment, $161,585; plans and estimates, $100,000; total, $7,855,615.

DAM, ETC.—St. Paul, Minn.—Rainy River Improvement Co., of Minneapolis, Minn., has filed its articles of incorporation. The company is capitalized at $100,000 and its indebtedness is restricted to $5,000,000. It proposes to open the Rainy River to navigation as fas as possible, and will build a dam in Itasca County to raise the level of Rainy Lake. The power furnished by the dam will be utilized to supply surrounding country with electric light and power and water. Company will also construct canals and will undertake the handling of locks. E. W. Backus and R. L. Horr, of Minneapolis, and H. V. Winchell, of Butte, Mont., are interested.

NAVAL SUPPLIES.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts until Dec. 20 for furnishing at Navy Yards, League Island, Pa., Washington, D. C., and Naval Academy, Annapolis, Md., a quantity of naval supplies, among which are arc lamp iron poles, motor, wire, red brick, fire clay, broken stone, Peach Bottom slate, Portland cement, rivets, pulleys, U. & W. air drills, Little Giant air drills, Norton Corundum wheels, breechblocks, universal joints, Prentiss vises, oak, white and yellow pine, etc., sash, switch ties, pig lead, nickel steel, machine steel, Crescent spring steel, Sanderson drill rod, steel bars and shapes, plain and galvanized sheet steel, steel castings, switch points, etc., sheet tin, miscellaneous metals, ebonite packing, strip and sheet rubber, fire hose, unlined linen hose, play pipes, Howard hose racks, marine cement, terra cotta pipe and specials, brass pipe, steel tubes, wrought-iron pipe, cast-iron pipe and specials, pipe fittings, valves, Nason traps, leather belting, belt laces. H. T. B. Harris, Paym-Gen.

MINING NOTES.

QUARRY.—Elberton, Ga.—Col. T. M. Swift has secured 211 acres of granite land near Goss and will establish a quarry there.

MILL.—San Diego, Cal.—It is reported that the Helvetia mine has been sold to John R. Taylor, of Los Angeles, who will build a new mill.

SMELTER.—Kingman, Ariz.—L. D. Goodeall and associates of Denver, Colo., contemplate installation of a smelter at this place.

MINING MACHINERY.—Nelson, B. C.—Local reports state that Great Northern Mines Co., Ltd., contemplates installing additional machinery.

MINING TRAMWAY.—Wallace, Idaho.—It is reported here that the Heward Co. will erect a second tramway to convey ore direct from its mine to the mill.

SMELTER.—Boise, Idaho.—It is stated a 50-ton smelter will be constructed next summer for the Lost Packer mine in the Loon Creek District, A. Czizek, Gen. Mgr.

MINING MACHINERY.—Safford, Ariz.—Advices from this city state that T. J. Richards, who located several quartz claims in the Graham Mountains, 15 miles south of here, has organized a company and appointed H. M. Jeterm Resident Mgr. Machinery is to be placed on the property.

READERS' WANTS

This Department contains special requests and detailed items, from persons in the market for supplies, and from others asking for the names and addresses of firms manufacturing certain tools, machinery and supplies required for work in which they are interested. ENGINEERING NEWS will be glad to furnish at once, free of cost, names and addresses of firms making the machinery or material desired, after which the item will appear in this column, **UNLESS OTHERWISE REQUESTED,** which request will be honored absolutely. **The information in all cases will be sent to our advertisers** handling the material wanted, or to other firms should it be out of the line of our advertisers. Every day we are receiving such requests with the understanding that it must not appear in the paper.

CEMENT MACHINERY.—Baltimore, Md.—F. L. Grammer, 2422 Madison Ave., wishes to hear from manufacturers of modern cement machinery.

CANNING MACHINERY.—Minneapolis, Minn.—Otis W. Getchell, writes for the names and addresses of firms manufacturing machinery for canning vegetables and fruit.

BRAKE SHOE, AIR BRAKE.—New York.—N. B. Porter, 11 Broadway, desires information regarding the manufacture of the Cardwell Brake Shoe and the Fitzgerald Air Brake.

CONCRETE MIXER.—Cleveland, O.—C. F. Mullen, Civil Engr., 204 Lincoln Ave., states that he will soon be in the market for a concrete mixer and desires information concerning the same.

CEMENT MACHINERY, CONVEYORS.—Pittsburg, Pa.—C. R. Wagoner, Engr., Riter-Conley Mfg. Co., 55 Water St., desires catalogues on cement machinery and screw, bucket and belt conveyors.

CONCRETE BLOCK MACHINES.—Honolulu, Hawaii Islands.—The Superintendent of Public Works has cabled us, asking for the names of firms manufacturing hollow concrete block machines of pressure type.

PILE DRIVERS.—Philadelphia, Pa.—The Scofield Co., G. M. Scofield, Pres., would like to hear from manufacturers of steam or pneumatic pile drivers, as company will be in the market shortly for three or four machines to meet special conditions.

MINING MACHINERY.—Washington, D. C.—F. Donahco, Contractor, Jenifer Bldg., states that there will be needed from $2,000,000 to $5,000,000 worth of machinery and he wishes catalogues, etc., from firms manufacturing machinery for separating ores and stamping mills.

TWO VESSELS.—San Francisco, Cal.—The J. J. Shannon Co., 5 Market St., writes us for the names of firms that are expert in the designing of small vessels that may be used in the coast business. The company desires the sleeping accommodations somewhat on the same plan as the Pullman Berth System. The boats are to be propelled by steam if the economy is sufficient, otherwise they will be by either gasoline, distillate or crude oil, or by the late improvement of the turbine wheel.

MINING MILL.—Colton, Cal.—Big Lode Mining Co., whose mine is located about 15 miles from Hesperia, is said to be preparing to erect a new mill. J. C. Button is Supt.

SMELTER.—Globe, Ariz.—Inspiration Mining Co., J. D. Coplen, Gen. Mgr., whose property is located eight miles from Globe, is said to contemplate the erection of a smelting plant.

MINING MACHINERY.—Reno, Nev.—Owners of Bullfrog claims at Amargosa are stated to be considering erection of plant for treatment of ore. Harry Clark may be interested.

CONCENTRATING PLANT.—Safford, Ariz.—The Tri-Bullion Smelting & Developing Co., of Chicago, which is developing the Starlight mines near Carlos, will soon erect a concentrating plant, according to reports. Joseph C. Erman is Supt.

TUNNEL, SMELTER.—Los Angeles, Cal.—Los Angeles "Times" states that the Mount Whipple Co., owning properties on the California side of the Colorado River, will shortly start a new tunnel. The company is also making arrangements for the erection of a smelter.

QUARTZ MILL.—Los Angeles, Cal.—Advices from this city state that the Arizona Quartz King Mining Co., composed of Los Angeles and San Francisco capitalists, whose property is located on the Colorado River, seven miles above Parker, will erect a large quartz mill.

MEXICO.

RAILWAYS.

BARROTRAN.—Coahuila Coal Ry. has been incorporated with $250,000 capital to build a railroad, 25 miles in length, between Barrotran and Musquitz. Principal offices are in New York city and the directors are James T. Gardner, George Foster Peabody and Edward M. Shepard, of New York.

CITY OF MEXICO.—Advices from this city state that the building of a 250-kilometer railroad to tap rich agricultural districts and the Sultepec and Temascaltepec mining districts is now an assured fact. Juan Ochoa Ramos, General Manager and representative of the company, was to return to this city Nov. 29 with a group of capitalists who are interested in the construction of the road. The road, which has been mentioned previously in these columns, is to start at Toluca in two divisions, one going by way of Tenango, Tenancingo and near Zaculpam, close to the state line of Morelos; the other will start from Toluca and extend through the two mining districts and continue west to Morelos. At Toluca the line will connect with the National, and at Puenta de Ixtla, in the state of Morelos, with the Cuernevaca division of the Central. Telesforo Garcia and Juan Garcia, City of Mexico, and W. H. Salisbury and Sidney Witherbee, of Kansas City, Mo., are among those interested.

CITY OF MEXICO.—It is stated that the National Railroad Co. of Mexico, which is a part of the government merger system, will expend $110,000 in enlarging and improving the terminal facilities for the system at Monterey. R. T. MacDonald, City of Mexico, is Ch. Engr.

CITY OF MEXICO.—It is announced that the work will soon be resumed on the construction of the Mexican Central's line from Tuxpan to the port of Manzanillo. The construction of this line was suspended some time ago. L. Kingman, City of Mexico, is Ch. Engr.

CITY OF MEXICO.—Eduardo Hay, City of Mexico, has completed the survey for a short line narrow gage railroad which is to be built in the state of Hidalgo to connect with the Mexican Central R. R.

DESCUBRIDORA, DURANGO.—The Durango Central Railroad, which is owned by the Descubridora Mining Co., is to be extended to the Inde and El Oro mining districts.

GUAYMAS.—The Richardson Construction Co., whose organization in Los Angeles, Cal., with $500,000 capital, was mentioned recently in these columns, has secured a concession to construct and operate a standard gage railroad in the state of Sonora, from Guaymas or from a point on the Gulf of California near that port, thence following the course of the Yaqui River and passing through the Dura mining district, to Tonichi or a point near thereto, in the Sahuaripa district. The company must begin the surveys within six months, and at least 20 kilometers of road must be constructed within two years, and 20 kilometers each following year, and the whole road must be finished within six years. The company is to have its headquarters in the city of Guaymas. Free importation of railway materials and effects shall be allowed for five years. It is stated in the articles of incorporation that the company also intends to build a telephone line. Davis Richardson, B. W. Wiley and Henry S. Van Dyke are among those interested.

Information concerning contracts to be let or supplies to be furnished, and corrections of errors and omissions in published items, are invited. Full details regarding the equipment, tools, etc., required for the proposed improvements are specially desired.

MAZATLAN.—Harold R. Miller, Secy. Occidental Construction Co., has applied for a concession to build and operate a railroad from the port of Mazatlan, on the Pacific coast, to the port of Guaymas, on gulf of California. The proposed road will traverse the coast country, in western Mexico, and will be about 300 miles long.

OAXACA.—Under the terms of an amended concession which the Mexican government has granted to Wenceslao Garcia, the Oaxaca & Tlacolulu R. R. must be completed by Sept. 1, 1907.

PASO DE CARDENAS, TABASCO.—The Mexican government has granted an extension of time for one year for the completion of the Paso de Cardenas & Ville del Pardaiso R. R., which is to run between the towns of that name. The legal representative of the road in the City of Mexico is Lic. Ernesto Pelaez.

SALTILLO.—It is reported that a syndicate will be formed to build an extension of this road from Saltillo to Monterey and eventually from Torreon into the state of Durango, and also eastward to Tampico. T. S. Abbott, Saltillo, is Ch. Engr.

STREET AND ELECTRIC RAILWAYS.

COLIMA.—D. G. C. MacNeil, of Colorado Springs, Colo., who recently purchased the street railway system in this city, with the intention of electrifying it, is stated to be endeavoring to secure an interest in the electric power plant now being built on the Naranja River, and, failing to make satisfactory arrangements with this company, he will establish an independent power plant to furnish current to the street car lines and to industries in Colima.

BUILDINGS.

CITY OF MEXICO.—Four new barracks are to be constructed by the Department of War, two in the state of Guanajuato, and an equal number in the state of Guerrero. One will be for infantry and the balance for cavalry. A commission of military engineers has been appointed to prepare the necessary plans for the buildings.

GUADALAJARA.—Mexican Central Ry. has purchased site and is having plans drawn for a new hospital to be erected in this city at a cost of about $30,000. E. S. Banks, Guadalajara, Mex., is Division Supt.

JALISCO.—Pan-American Land & Colonization Co., R. J. Martin, Kansas City, Mo., Pres., will, it is stated, soon begin erection of large hotel at this place.

WATER-WORKS.

JUAREZ.—R. Escobar, Engr., Juarez, has completed plans for water-works for this city and they have been submitted to Enrique C. Creel, Governor of the state of Chihuahua, for his approval. It is hoped to begin work at once on the plant, which is to cost from $40,000 to $50,000. The fire department is also to be improved and a sewerage system installed.

MANUFACTURING PLANTS.

CITY OF MEXICO.—A corporation to be known as the Evolution Brick Co. is being organized here by C. M. Sandoval, of St. Louis, Mo., the agent in Mexico for several brick-making machinery manufacturers in the United States. Mr. Sandoval has recently secured patents from the Mexican Government which give him the sole right for 20 years to manufacture a new style of brick, the materials for which are found in the vicinity of City of Mexico. The chief components are a volcanic lava and a conglomerate of lime and pumice stone.

CITY OF MEXICO.—La Anglo-Mexicana, S. A., which has a small factory at Jimulco, state of Coahuila, for transforming the guayule plant into rubber, contemplates the expenditure of about $400,000, Mexican, in the erection of similar works in the frontier state. Lic. Carlos Aguirre is general representative of the company.

DEDRICK, SONORA.—Col. W. C. Greene, of Cananea, Sonora, is to establish extensive saw mills, planing mills and sash and door factory at Dedrick, Sonora, and other plants for turning out dressed lumber of every description. The lumber mills will have a daily capacity of 500,000 feet.

MONTEREY.—C. J. Morris, Dallas, Tex., Southern Manager for Frick Manufacturing Co., of Pittsburg, Pa., has closed a contract with the Cuauhtemoc Brewery Co., of Monterey, for the installation of a 200-ton ice-making plant, including a compound Corliss condensing engine, which will be put in the ice department at the brewery.

VERA CRUZ.—The Tabasco Plantation Co. is to erect a sugar mill of a capacity of 3,000 tons at their Oxaqueña plantation in the state of Vera Cruz. The Honolulu Iron Works Co. is to prepare the plans for the mill, and Mr. C. Hedemann, Mgr. of the works, is now in Mexico studying the needs of the company in the line of machinery. The Honolulu Iron Works Co. is to act as chief consulting experts for the plantation company, but on the completion of the plans, by March 15 next, the contract

for the machinery will be awarded to the firm offering the best terms. Tramways, locomotives and river steamboats will also be purchased and installed, an expenditure of $1,500,000, gold, being contemplated. George E. Davis is Mgr. at the plantation.

VERA CRUZ.—It is intended to erect, at once, a sugar refinery to cost $500,000, gold, at the property of the National Sugar & Refining Co., near Cordoba, Vera Cruz. The company is incorporated under the laws of the state of New Jersey. J. F. Weaver is Mgr. of the company, and it is stated that the intention is to start construction on the refinery within the next 60 days.

MISCELLANEOUS.

MILL AND CYANIDE PLANT.—Guerrero.—It is proposed to erect a mill and cyanide plant at the Poder de Dios mine, at San Cristobal, state of Guerrero. John J. Moylan, City of Mexico, is owner of the property.

REDUCTION PLANT.—City of Mexico.—Department of Fomento has granted a concession to John Wiley, representing the International Railway Syndicate, for the establishment of a reduction plant in the state of Guanajuato or Jalisco.

MINING MACHINERY.—Guerrero.—Plans are being made for a large mill to be built at La del Fina mine, located at the village of Chichihualcos. The low grade ore is to be concentrated. The mine is owned by a French company, with headquarters in the City of Mexico.

bids for electric lighting of Almendralejo was without result. The conditions of the contract have been altered and new tenders are called and will be opened Dec. 22. Tenders for the public lighting by electricity of the city of Valladolid have been called for and the adjudication will take place at 11 a. m., Dec. 26, at the Casa Consistorial, Valladolid. A total of 1,500 incandescent lamps of 17 c.-p. will be required. The concession will terminate in 1911.

STEEL RAILS.—Norway.—Tenders will be received at office of Management of the Norwegian State Railways, Christiania, until 3 p. m., Dec. 30 for supply of about 5,286 tons of steel rails and appurtenances. Specifications in English, together with translation of special conditions of tender and a set of drawings are on file at the Commercial Intelligence Branch of the Board of Trade, 73 Basinghall St., E. C., London. The rails must either be manufactured of steel made by the Bessemer process from hematite ore, or—if rails of bassic steel are offered—by the Darby process. Copies of the drawings may be obtained from Statsbanernes Hovedkasserer, Jernbanetorvet No. 1, Christiania, on payment of about 75 cts.

MATERIAL FOR RAILWAY AND BRIDGE CONSTRUCTION.—Netherlands.—Tenders will be received by the Netherlands Minister for the Colonies, The Hague, up to Dec. 21 for supplying following material: Contract Surinam VI., metal superstructure, with appurtenances, for five bridges for the Colonial railways in Surinam;

PIPE SEWERS.—Cincinnati, O.—Contract for constructing sewer in Corry, Scioto and Dennis Sts., has been let to Charles Frank, 2-23 Wetend Ave., Cincinnati, O., at the following figures: 718 lin. ft. 12-in. pipe sewer, $1.68; 30 Y's on 12-in. pipe sewer, $0.70; 2 Palmer inlets, $50; 2 round manholes, $43; 2 oval manholes, $35; 60 cu. yds. broken stone, $1; 20 cu. yds. gravel, $2. Total, $1,583. Contract for sewer in Warren and McMillon Sts., was let to John E. Mahony, 719 Whittier St., Cincinnati, O., for $2,384. Bids for above work were opened by Board of Public Service, J. D. Harris, Asst. Clk., Dec. 7.

DREDGING.—San Francisco, Cal.—Bids were opened by Lt.-Col. W. H. Heuer, U. S. Engrs., Dec. 8 for 19,500 cu. yds. dredging in Napa River. The Pacific Reclamation Co., San Francisco, Cal., offered to do the work at 20 cts. per cu. yd.

SEWERS.—Brooklyn, N. Y.—Following bids were received by the Borough President of Brooklyn Dec. 7 for constructing sewers in Nostrand Ave., Between Midwood St. and Hawthorne St.; all bidders from Brooklyn: (1) Cegrette & Menino Co.; (2) P. J. Murray, 215 Montague St.; (3) Daniel Douglas, 122 Logan St.; (4) Jno. J. Creem; (5) Jas. Malloy & Co., 92d St. and First Ave.; (6) Jas. Riley, 601 Degraw St.; (7) Thos. G. Carlin, 215 Montague St.; (8) Jas. Holmes, 271 North Sixth St.; (9) H. Newman, 1127 Willoughby St.; (10) M. J. Dady, 350 Fulton St.; (11) Murphy Improvement Co.; (12) O'Grady Bros., 72 North Eighth St.:

BIDS RECEIVED AT BROOKLYN, N. Y., FOR CONSTRUCTING SEWERS IN NOSTRAND AVENUE, BET. MIDWOOD AND HAWTHORNE STS.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1,735 lin. ft. 66-in. brick sewer	$20.00	$15.00	$17.55	$16.00	$18.00	$15.00	$17.50	$13.00	$16.00	$17.50	$18.68	$17.00
4,380 lin. ft. 60-in. brick sewer	9.30	6.50	7.73	7.50	7.50	7.00	9.78	6.81	7.40	11.00	9.90	8.00
245 lin. ft. 54-in. brick sewer	6.50	7.00	7.43	7.00	7.50	7.00	8.60	5.69	6.70	10.00	10.00	8.00
8 lin. ft. 24-in. pipe sewer	.01	3.50	3.00	3.00	4.00	4.00	5.00	3.50	3.00	5.00	3.00	5.00
40 lin. ft. 18-in. pipe sewer	.01	3.25	2.25	2.00	3.50	3.00	4.20	2.13	2.50	4.50	2.50	2.00
40 lin. ft. 12-in. pipe sewer	.01	2.00	1.70	1.00	2.50	2.00	2.60	1.75	2.00	3.00	1.50	1.50
5 manholes	.01	45.00	37.00	30.00	50.00	45.00	46.00	55.00	35.00	60.00	40.00	45.00
2 sewer basins	.01	150.00	125.00	120.00	125.00	140.00	140.00	125.00	140.00	150.00	125.00	140.00
Sewer basin re-connected	.01	70.00	50.00	25.00	10.00	75.00	100.00	35.00	50.00	75.00	30.00	50.00
950.00 ft. B. M. planking foundation	.01	20.00	19.50	.01	20.00	20.50	25.00	19.00	20.00	23.00	.01	20.00
675,000 ft. B. M. lumber for sheeting and bracing	.01	20.00	19.50	.01	18.00	19.50	25.00	21.00	20.00	20.00	.01	20.00
20 cu. yds. concrete cradle for pipe sewers	.01	.01	6.50	.01	8.00	.01	9.00	2.00	7.00	8.00	.01	3.00
5 cu. yds. concrete	.01	.01	6.50	5.00	8.00	7.00	9.00	5.00	7.00	10.00	6.00	8.00
5 cu. yds. brick masonry	10.00	9.00	13.00	7.00	14.00	12.00	12.50	9.00	15.00	18.00	9.00	8.00
Totals	$77,083	$78,275	$80,764	$97,278	$86,492	$80,011	$101,490	$76,276	$83,213	$104,571	$83,860	$88,435

DAM AND HYDRAULIC GIANTS.—Chihuahua.—Dr. A. Patterson and Peter Scott, of Port Huron, Mich., who are operating rich placer mine at La Canada, district of Alamos, Sonora, have organized the Golden River Placer Mining Co. and propose to put in a dam and giants.

SMELTER.—Dedrick, Sonora, Col. W. C. Greene, of Cananea, Sonora, has applied for a concession for a custom smelting plant, to be erected at Dedrick, Sonora, to treat the copper ores of the Guinopita district. It is intended to establish a plant with an initial capacity of 200 tons. W. B. Deveraux, an electrical engineer, is at work on the Arras River to select a suitable sight for a large electric power plant, which is to be used to run all the machinery to be erected at Dedrick, and also transmit power to the Mulatos mines.

SMELTER.—Durango.—The Velardeña Mining & Smelting Co., of Velardeña, Durango, is to erect a 1,000-ton custom smelter, to consist of a silver-lead and copper matting plant. Experiments are being made at the Copper Queen group of mines, owned by the Valardeña Company, situated 27 kilometers from Valerdeña, to determine the best method of treating the ores at that mine, where the oxides have been exhausted and the "bronce" zone encountered. It is likely the treatment will be separation by concentration and treatment upon magnetic machines. A. H. Rogers is Mgr. of the company, and E. T. Thornton, Supt. of the Copper Queen mine.

FOREIGN CONTRACTS—EXPORT NEWS.

DRAINAGE WORKS.—Chile.—It is stated that there were but two tenderers at the recent opening of proposals for the construction of drainage works at Santiago. One of these was a Chilean firm, which offered to do the work for about $5,932,000, and the other was from a local concern acting as agent for a French firm, which offered to construct the works for about $6,750,000. Both tenders were submitted to a commission for examination, but it is likely that new proposals will be asked for under modified conditions.

ELECTRIC LIGHTING.—Spain.—"Gaceta de Madrid," of Nov. 22, contains a notice stating that the call for

contract No. 376, 200,000 rolled and zinced soft steel tirefonds for the State railways in Java; Contract No. 377, 40,000 soft steel plates for ditto; Contract No. 378, 100,000 soft steel hook bolt for ditto; Contract No. 379, 10,000 short and 5,000 long bolts for ditto; Contract No. 380, asphalted cast-iron mains, etc.; Contract No. 381, metal construction of two railway bridges; Contract No. M 2, asphalted cast-iron pipes; Contract No. N 2, screw piles and plates, etc.; Contract No. O 2, cast-iron pipes. The conditions of contract may be obtained from the bookseller, M. Nijhoff, The Hague, at a cost of about 45 cts., for Contracts Suriram VI., and Nos. 376, 377, 380 and 381, and 20 cts each for the Contract Nos. 378 and 379, and M 2, N 2, and O 2.

CONTRACT PRICES.

PIPE SEWERS.—Arkansas City, Kan.—Following bids were received Dec. 6 by O. Ingersoll, Cy. Clk., for constructing sewers in Sewer District No. 2, contract being awarded to A. G. Robinson; depth of trench is to be 6 ft.:

Bids Received at Arkansas City, Kan., December 6, 1904, for Constructing Sewers in Sewer District No. 2.

Name and address.	30 manholes. Each.	Flush tanks. Each.	6,650 ft. 15-in. sewers. Per lin. ft.	1,167 ft. 12-in. sewers. Per lin. ft.	8,103 ft. 8-in. sewers. Per lin. ft.	15,300 ft. 6-in. sewers. Per lin. ft.	Totals.
Cook & Son, Junction City, Kan.	$30.00	$58.00	.80	.60	.40	.34	$16,273
Doyle & Swarts, Colorado Springs, Colo.	25.00	70.00	.80	.64	.46	.41	17,933
Geo. Dare, Guthrie, Okla.	.....	82.00	.94½	.85	.56	.46	20,096
Charles Derr, Guthrie, Okla.	30.00	80.00	.78	.70	.49	.39	17,854
Phelps & Nesbitt, Dexter, Ia.	25.00	65.00	.68	.56	.43	.37	15,870
Dwyer, Plumberg & Co., St. Paul, Minn.	33.00	50.00	1.10	.70	.50	.41	20,456
McQuattus Machine Co., Hillsboro, Tex.	25.00	60.00	.87½	.62½	.47½	.41	18,245
J. O. Severres, Guthrie, Okla.	35.00	70.00	.82½	.63	.51½	.37	18,350
A. G. Robson, Pittsburg, Kan.	40.00	60.00	.75	.63	.37	.29	15,233
G. E. Hopper, Arkansas City, Kan.	24.00	46.00	.88½	.70	.36	.31	15,668
Hanley & Richie, Topeka, Kan.	30.00	55.00	.78	.67	.42	.26	16,698

PIPE SEWER.—North Braddock, Pa.—Contract for constructing pipe sewer in Cliff St., has been let to Thomas Cronin Co., Pittsburg, Pa., at the following figures: Manholes, two, $31; 510 ft., 8-in. sewer pipe, 48 cts.; 88 ft., 6-in. sewer pipe, 39 cts. Trench is to be 7½ ft. deep and there is no repaving to be done. C. A. Stewart is Boro. Engr.

DITCH.—Taylorville, Ill.—Following bids wer received Dec. 10 for construction of ditch requiring 58,220 cu. yds. dredge work, (1) being bid for Sec. 1, (2) bid for Sec. 2, and (3) total bid. J. W. Dappert, Taylorville, is Consult. Engr.: M. J. Hanawalt, Monticello, Ind., (1) 16¾ cts., (2) 13½ cts., (3) $8,105; A. J. Kenneshy, East Prairie, Mo., (1) 16⅝ cts., (2) 13¼ cts., (3) $7,868; Thompson & Vermillion, Taylorville, Ill., (1) 14 cts., (2) 14 cts., (3) $8,172; R. H. McWilliams, Mattoon, Ill., (1) 15 99-100 cts., (2) 12 99-100 cts., (3) $7,730 (awarded contract). For Sec. 3 of above ditch requiring 8,775 cu. yds. team work, bids were received as follows: Gus Wilson, Pana, Ill., r. f. d., No. 4, 12 cts.; Jerry Sherwood, Hebron, Ind., 11 cts.

PUMPING ENGINES, BOILERS AND SMOKE STACK.

Muscatine, Ia.

Sealed bids will be received by the Board of Trustees of Water-Works of the City of Muscatine, Iowa, until 2 o'clock p. m. of the 3d day of January, 1905, for furnishing, erecting and connecting in a new pumping station, the following machinery, namely:

1. One pumping engine of a capacity of three, and one of five million gallons per 24 hours, together with a heater of 400 HP. condenser, auxillary pumping engines, suction and force pipes inside building, all branch steam pipes, valves and specials.

2. Two return tubular boilers 6 feet in diameter and 16 feet long, erected and encased, the main steam pipes in the boiler and engine rooms. And a self-supporting steel chimney.

Proposals shall cover the construction of the foundations for boilers and chimney with cement, sand, broken stone and corrugated steel rods, furnished by the said Board of Trustees.

Proposals shall be made independently upon the material described in each of the two above items, in accordance with plans and specifications on file with Wm. Molis, Superintendent of Water-Works, which will be furnished upon application.

All bids must be accompanied by a certified check in the sum of One Thousand ($1,000.00) dollars, made payable to W. L. Roach, President of the Board of Trustees of Water-Works, as a guarantee that the bidder will enter into a contract if it be awarded to him. Said bids shall state period of time required for construction and installation.

The right is reserved to the said Board of Trustees to waive any informalities, to reject any or all bids, or to select the one which to said Board of Trustees appears the most desirable.

T. R. FITZGERALD,
Secretary Board of Trustees of Water-Works.
WM. MOLIS, Superintendent. 23-4t

DEPARTMENT OF THE INTERIOR, U. S. Geological Survey, Washington, D. C., November 17, 1904.—Sealed proposals will be received at the office of the Chief Engineer of the Reclamation Service, U. S. Geological Survey, Washington, D. C., until 2 o'clock P. M., January 9, 1905, for the construction of an outlet tunnel about 125 square feet cross-section and about 500 feet long, and two vertical shafts, in solid granite, to serve as a diversion tunnel for the Pathfinder Dam about fifty miles southwest of Casper, Wyoming, on North Platte River. Forms of proposal, plans, and specifications may be seen at the office of the Chief Engineer, Washington, D. C., or at the office of the United States Reclamation Service, Chamber of Commerce Building, Denver, Colorado. Each bid must be accompanied by a certified check for $1,000, payable to the order of the Secretary of the Interior, as a guaranty that the bidder will, if successful, promptly execute a satisfactory contract and furnish bond in the sum of twenty per cent. of the contract price for the faithful performance of the work. The right is reserved to reject any or all bids, to accept one part and reject the other, and to waive technical defects as the interest of the service may require. Proposals must be marked "Proposals for Pathfinder Tunnel, North Platte Project." Bidders are invited to be present. THOS. RYAN, Acting Secretary. 21-6t

PROPOSALS FOR STEEL GIRDERS, BEAMS, ETC., Office of Building for National Museum, Library of Congress, Washington, D. C., December 9, 1904.—Sealed proposals for furnishing and delivering all the steel girders, beams and columns required for the first floor of the new building for the National Museum, in this city, will be received at this office until two o'clock P. M., on Thursday, the fifth day of January, 1905, and publicly opened immediately thereafter. Specifications, general instructions and conditions and blank forms of proposal may be obtained on application to this office. BERNARD R. GREEN, Superintendent of Construction 24-2t

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., December 10, 1904.—Notice is hereby given that the time for opening the bids for a mail conveying system in the U. S. Post Office, Court House etc., building at Chicago, Illinois, has been extended from December 19, 1904, to 3 o'clock P. M., January 4, 1905. JAMES KNOX TAYLOR, Supervising Architect. 24-1t

WAGONS, DUMP CARTS, TEAMS, ETC.

Work wanted for summer of 1905, for plant of 18 2-yd. slap body wagons; also 15 sprinkling wagons, with teams and drivers; also dump carts.

Wm. BAKER,
24-tf 137 South St., Jersey City, N. J.

SEWERS.

Mamaroneck, N. Y.

Sealed proposals for the construction of sewers will be received by the Board of Trustees of the Village of Mamaroneck, N. Y., at the office of the Village Clerk until 5 o'clock, P. M., the 4th day of January, 1905.

Approximately two miles of sewers are to be laid.

Each bid must be accompanied by a certified check for a sum equal to 5 per cent. of the amount of the bid.

A surety company bond for an amount equal to 50 per cent. of the bid will be required.

The Board of Trustees reserves the right to reject any and all bids.

Plans and specifications may be seen and bidding forms obtained at the office of the Village Clerk, Mamaroneck, N. Y., or at the office of the Engineer, No. 5 Court Street, White Plains, N. Y.

DANIEL WARREN, President.
CHARLES W. BUCKTER, Clerk.
Dated, Mamaroneck, N. Y., Dec. 7, 1904.
24-3t

SITUATIONS OPEN

WANTED.—Traveling salesman, thoroughly acquainted with the trade to represent manufacturers of a high grade Portland cement. Address, with full particulars, "CEMENT," 116 S. 8th St., Allentown, Pa. 24-1t

CANAL IMPROVEMENT.

Albany, N. Y.

State of New York, Office of Superintendent of Public Works, Albany, November 17, 1904.—Notice to Contractors.

Sealed proposals will be received by the undersigned at his office in the Capitol, in Albany, N. Y., for improving the New York State canals pursuant to the provisions of chapter 147 of the Laws of 1903, as follows:

On contract No. 1, Champlain canal, River Line, and on contract No. 2, Erie canal, section 1, until twelve o'clock noon of Thursday, December 15th, 1904, at which place and hour they will be publicly opened and read; and

On contract No. 3, Champlain canal, Land Line, and on contract No. 4, Erie canal, section 5, until twelve o'clock noon of Friday, December 16th, 1904, at which place and hour they will be publicly opened and read; and

On contract No. 5, Erie canal, section 7, and on contract No. 6, Erie canal, section 9, until twelve o'clock noon of Saturday, December 17th, 1904, at which place and hour they will be publicly opened and read.

The work referred to above is described as follows:

Contract No. 1, Champlain Canal, River Line.

For excavating the river channel from Northumberland to Fort Miller, and from Crocker's Reef to Fort Edward, the construction of Crocker's Reef dam, the approaches to the head and foot of "The Land Line," and other incidental work. Sta. 9 + 52 to 147 + 75, and Sta. 262 to 497 + 35, length = 7,075 miles.

Contract No. 2, Erie Canal, Section 1.

The excavation and protection of the sides of the canal from the Mohawk river to a point about one-fourth of a mile west of the head of lock No. 3, the construction of locks Nos. 2 and 3, with the approaches and appertaining parts.

Contract No. 3, Champlain Canal, Land Line.

For the excavation of the canal and the protection of its banks from Sta. 147 + 75, below Fort Miller lock (No. 6), to Sta. 262 + 00, above the guard gate at Crocker's Reef; the construction of the Fort Miller lock (No 6) and its approaches, the guard gate and its approaches, the bridge abutments and foundations at Sta. 151 + 60, Sta. 173 + 18, Sta. 213 + 46, and Sta. 247 + 50; the removal and re-erection of the present bridge at East street; the change in location of the old Champlain canal, and all other incidental work.

Contract No. 4, Erie Canal, Section 5.

For the construction of the canal and its appurtenances from foot of lock 25 (Sta. 6715 +), to deep water, east end of Oneida Lake at Sylvan Beach (Sta. 6790). Length = 4.83 miles.

Contract No. 5, Erie Canal, Section 7.

For the construction of the canal and its appurtenances from Sta. 5074, near Mosquito Point Bridge over the Seneca river to Sta. 5373, east of the village of Savannah. Length, = 5.66 miles.

Contract No. 6 Erie Canal, Section 9.

For the excavation of the canal from Sta. 2571, just south of Buffalo Road, west of Rochester, to Sta. 2744, near South Greece, and the protection of its banks; the construction of foundations and abutments for bridges at Buffalo Road, Lyell Avenue, Niagara Falls Branch of N. Y. C. & H. R. R., Lee Road and Spier's Bridge Road, and incidental work, as shown on plans.

Plans may be seen and detailed specifications, engineer's estimate of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works, at Albany, N. Y.; at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y.; and at the offices of the Assistant Superintendent of Public Works for the Western Division, at Rochester, and Buffalo, N. Y. Copies of detailed plans or drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment of cost of producing them.

Monthly estimates will be paid of ninety per centum (90 per centum) of the work done at the contract price or materials furnished at a relative price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank in good credit within the State, and payable at sight to the Superintendent of Public Works for five per centum (5 per centum) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal. Upon execution of the contract and approval of bonds, the deposit will be returned to the proposer. The deposits of persons other than the one to whom the award of contract shall be made will be returned immediately after the award has been made. The amount of bond required for faithful performance will be twenty-five per centum (25 per centum) of the amount of the estimated cost of the work according to the contract price, and an additional bond, known as labor bond, in the sum of thirty-five per centum (35 per centum) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

Proposers are requested to bid a lump sum for which the entire work upon a given section will be completed pursuant to the plans and specifications, and also unit prices for which the various kinds of work will be done, separate proposal forms for each class being furnished; the State reserving the option of choosing as between the two forms of proposal.

Each proposal must be addressed: To the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made. Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the State for doing the work, and which shall comply with all provisions required to render it formal. The right is reserved to reject all proposals and readvertise and award the contracts in the regular manner if, in the judgment of the undersigned, the interests of the State will be enhanced thereby.

CHARLES S. BOYD,
21-4t Superintendent of Public Works.

SEWER SYSTEM.

Bishop, Inyo Co., Cal.

Proposals will be received February 10, 1905, by the Board of Trustees of the Town of Bishop, Inyo County, California, for furnishing materials and constructing a sewer system for said town.

There will be required, approximately, the following:

1,340 lin. ft. of 14-in. vitrified sewer pipe.
700 " " " 10 " " " "
2,845 " " " 8 " " " "
4,825 " " " 6 " " " "
9,710 " " " trenching for above pipe.
4 Miller Potter flush tanks.
8 manholes.
250 Y. connections.

For Sub-Drains:
3,100 Lin. ft. of 4-in. drain tile.
4,000 " " " 6 " " "
700 " " " 8 " " "

A certified check in the sum of Two Hundred and Fifty Dollars ($250.00) must accompany each bid to guarantee entry into contract and execution of bond by successful bidder.

Bids must be for furnishing all materials and constructing the work complete.

A bond acceptable to the Board of Trustees of the Town of Bishop, Inyo County, California, in the sum of Six Thousand Dollars ($6,000.00) will be required for the faithful performance of the contract. Sureties must be named and address of same given in proposal.

Bidders must examine the location of the proposed work in person, and acquaint themselves with all the requirements, conditions and contingencies liable to affect the work.

Bidders must have had experience in similar work and proposal must state such experience.

Plans may be seen, and specifications and blank forms of proposal obtained at the Office of the Board of Trustees, Town of Bishop, Inyo County, California, or from the engineers, Lippincott & Parker, 1117 Braly Bldg., Los Angeles, California.

The right is reserved to reject any or all bids. 23-3t

WATER SUPPLY.

Washington, Ga.

Sealed proposals will be received by the City of Washington, Ga., for improvement of Water Supply, until 12 o'clock noon of Thursday, January 5th, 1905. Each bid must be accompanied with a certified check for $500, made payable to Joseph R. Dyson, Mayor, in accordance with the specifications.

The city reserves the right to reject any and all bids. Bids will be received for the whole or any portion of the work.

Specifications will be sent on application, and plans are on file at the engineer's office in Washington, Georgia

J. R. DYSON, Mayor,
Washington, Ga.
N. WILSON DAVIS, Engineer,
Harrisonburg, Va. 24-2t

STEEL BRIDGE.

Dayton, O.

Sealed proposals will be received at the office of the Clerk of the Board of Public Service of the City of Dayton, State of Ohio, until 12 o'clock, noon, Friday, January 6, 1905, for the construction of the steel superstructure for the bridge across the Great Miami River at Herman Ave.

The bridge will consist of 5 spans from 132 to 189 feet in length; roadway to be 20 feet wide in the clear; two sidewalks, 6 feet wide each. The bridge to be proportioned to carry in addition to the dead load, the following live loads: A live load of 100 pounds per square foot of roadway and 80 pounds per square foot of sidewalks; a concentrated moving load of one steam road roller weighing 30,000 pounds, arranged as follows: 13,000 pounds on forward roll and 8,500 pounds on each rear roll; axles 11 feet apart, forward roll 4 feet face, rear rolls each 20 inches face and 5 feet center to center.

Bidders shall submit with their proposals complete strain sheets, plans of the proposed bridge, and such detail drawings as will clearly show the dimensions of all parts, mode of construction, and the sectional area; also the dead weight assumed in the calculations. Bidders shall submit two bids with plans, one for the roadway paved with brick and the sidewalks with cement, the other for a plank floor on steel joist for both roadway and sidewalks.

The bridge shall be designed and proportioned in accordance with Theodore Cooper's latest specifications for highway bridges.

Profile of the location of the proposed bridge, with other information, may be obtained by applying to F. M. Turner, City Engineer, Dayton, O.

Bids will also be received at the same time for the re-erection of the old Main Street bridge and one span of the Third Street bridge at the same site, the work to be done in accordance with the specifications on file in the office of the City Civil Engineer.

All bids must be upon the printed forms prepared for the purpose, which may be obtained of the City Civil Engineer, and enclosed in a sealed envelope directed to the Board of Public Service, Dayton, Ohio, and endorsed on the outside of the envelope "Proposals for Herman Ave. Bridge, Dayton Ohio."

The bond required of the successful bidder shall be in the sum of 50 per cent. of the contract price, and must be given by residents of Montgomery County, Ohio, or said bond may be otherwise secured in a manner satisfactory to the Board of Public Service, by whom said bond must be approved.

Each bid shall contain the full name of every person or company interested in same and shall be accompanied by a sufficient bond or certified check upon some solvent bank for a sum equal to five (5) per cent. of the amount of the bid submitted, that if the bid is accepted, a contract will be entered into and the performance of it properly secured.

All prices must be written in words and also stated in figures. The contractor shall state the prices for material and labor separately.

The place of residence of each bidder must be given after his signature, which must be written in full. When firms bid, the individual names of the members shall be signed in full, and the firm name added.

The Board of Public Service reserves the right to reject any or all bids, or waive defects in bids in the interest of the city, and the right of awarding the contract for either kind of flooring and for either the new bridge or for erecting the old bridge.

By direction of the Board of Public Service. LOUIS HAAS, President
WM. F. MILLER, Clerk. 24-2t-eow

PUMPING ENGINE.

Kansas City, Mo.

Sealed proposals will be received by the Board of Public Works, at their office in the City Hall, in Kansas City, Missouri, until 2 o'clock P. M., January 14, 1905, for the construction, delivery and erection of a self-contained, vertical, triple-expansion crank and fly wheel pumping engine in every way complete for continuous service, upon proper foundation provided by the City, in the present building at Turkey Creek Pumping Station, Kansas City, Mo.

The pumping engine to have sufficient power and capacity to pump twenty million (20,000,000) U. S. gallons of water in twenty-four hours, into the pump mains at Turkey Creek Station, against a combined lift of three hundred and forty (340) feet for ordinary purposes, and four hundred and ten (410) feet for fire purposes, with a steam pressure of one hundred and fifty (150) pounds per square inch, in accordance with the plans and general specifications on file in the office of the Water Department, Kansas City, Missouri.

All proposals must be made upon the printed forms furnished by the Board of Public Works.

Each proposal must be submitted in a sealed envelope, and endorsed on the outside, "Proposal for Construction and Erecting a Pumping Engine, Kansas City, Mo," and addressed "Board of Public Works."

Each proposal must be accompanied by plans and specifications in such detail to fully and distinctly show the pumping engine proposed to be furnished, and the necessary foundations, a definite statement of the guaranteed duty, and the approximate weight of said pumping engine.

No proposal will be considered unless accompanied by cash or certified check, on a solvent Kansas City bank, or current trust company, made payable to the City Comptroller, amounting to Five Thousand Dollars ($5,000.00), as a guarantee that should the contract be awarded to such party, he will within ten (10) days after award of contract, enter into contract and furnish security satisfactory to the City Comptroller for the construction, delivery and erection of the pumping engine named in such proposal. In case of failure or neglect of the parties to enter into a contract, said certified check, or cash, shall be immediately forfeited, without recourse, to Kansas City.

The Board of Public Works does not bind itself to accept the lowest, or any bid offered, and reserves the right to reject any or all bids, or to waive any informality in the bids, when it seems to be to the interest of Kansas City so to do.

EVERETT ELLIOTT,
Secretary of Board of Public Works.
24-2t

WATER-WORKS.

Deadwood, S. D.

Sealed bids will be received by the city auditor of the city of Deadwood, S. D., until 8 p. m., January 25, 1905, for the construction of a public water-works system, consisting of about twelve miles of gravity supply-pipe, distributing reservoir, etc., for the city of Deadwood. Each bid is to be accompanied by a certified check in the sum of five thousand ($5,000.00) dollars. Particular information may be obtained of A. D. Wilson, city engineer, Deadwood, S. D.

ROY SHARPE,
City Auditor of the City of Deadwood, S. D.
24-1t

DEPARTMENT OF THE INTERIOR, Office of the Superintendent of the U. S. Capitol Building and Grounds, Washington, D. C., December 8, 1904.—Sealed proposals (in duplicate) will be received at the above office until 2 o'clock P. M., December 28, 1904, for the building material for the construction of the concrete footings and foundations for the Office Building for the House of Representatives, including concrete and building sand, broken stone, gravel, cement and brick, and thereafter opened in the presence of bidders and all others desiring to attend. Each proposal must be accompanied by a certified check for 5 per cent. of the total amount of the bid, payable to the order of the Superintendent of the U. S. Capitol Building and Grounds as a guaranty that the bidder will, if successful promptly execute a satisfactory contract and furnish bond in the sum of 50 per cent of the contract price for the faithful performance of the contract. Further proposals will be invited for the cut-stone work, masonry work, iron and steel work, fireproofing, roof work and other work and material necessary to complete the masonry superstructure of said building on the foundations to be erected by the Government and that plans and specifications therefor will be issued on or about January 2, 1905, which will announce the time of the receipt and opening of bids for said work, and will contain further details for the information of bidders, copies of which will be supplied on application. The right is reserved to reject any or all bids, to accept one part and reject the other, and to waive technical defects, as the interests of the service may require. ELLIOTT WOODS, Superintendent U. S. Capitol Building and Grounds. 24-2t

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., December 12, 1904.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 6th day of January, 1905, and then opened, for painting, etc., at the U. S. Court House, Post Office, etc., at Springfield, Illinois, in accordance with specifications, copies of which may be had at this office or at the office of the Superintendent of Construction at the building at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect. 24-2t

SEALED PROPOSALS, in duplicate, will be received at the office of the Isthmian Canal Commission, Washington, D. C., until 10:30 o'clock A. M. on the 16th day of January, 1905, at which time they will be opened in public, for furnishing "Dynamite and Explosives." Proposals will be addressed in sealed envelopes to "J. G. Walker, Chairman Isthmian Canal Commission, Washington, D. C." Proposal blanks and specifications may be obtained at the office of the Isthmian Canal Commission, Washington, D. C. 24-5t

For other Proposal Advertisements see pages 35, 36, 37. of Advertisements and Construction News page 287, 288.